

AD-A174 643

DOVER AFB DELAWARE REVISED UNIFORM SUMMARY OF SURFACE

1/4

WEATHER OBSERVATIONS (U) AIR FORCE ENVIRONMENTAL

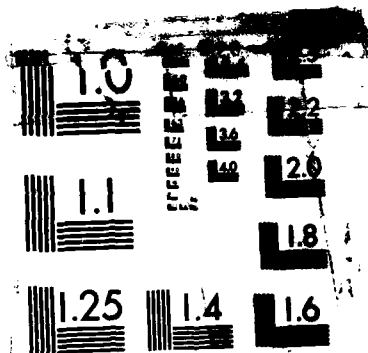
TECHNICAL APPLICATIONS CENTER SCOTT AFB IL NOV 86

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USAFETAC/DS-86/862

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MICROCOPY RESOLUTION TEST CHART
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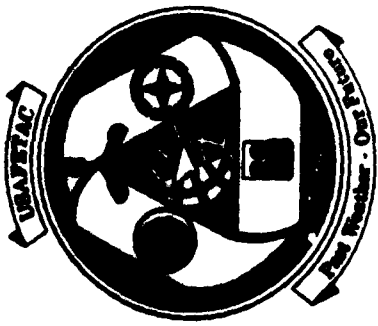
USDE 724088

USAFETAC/DS-86/062

AD-A174 643

OPERATING LOCATION - A
USAFETAC
Air Weather Service (MAC)

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20 NOV 1986



**REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS**

DOVER AFB DE
N 39 08 W 075 28 ELEV 28 FT
MSC #724088
KDOV

PARTS A - F HOURS SUMMARIZED: 0000 - 2300 LST

PERIOD OF RECORD:

HOURLY OBSERVATIONS: JUL 76 - JUN 86

SUMMARY OF DAY DATA: DEC 42 - SEP 46,

SEP 50 - JUN 86, 8 NOV 1986;
TIME CONVERSION GMT TO LST -5

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REVIEW AND APPROVAL STATEMENT

USAFETAC/DS-86/062 has been reviewed and is approved for publication.

FOR THE COMMANDER

A handwritten signature in dark ink, appearing to read "Walter S. Burgmann", with a long, sweeping horizontal stroke extending to the right.

WALTER S. BURGMANN
Scientific and Technical Information Officer
(STINFO)

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

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REPORT DOCUMENTATION PAGE

- 1a. Report Security Classification: UNCLASSIFIED
3. Distribution/Availability of Report: Approved for public release; Distribution unlimited.
4. Performing Organization Report Number: USAFETAC/DS-86/062.
5. Monitoring Organization Report Number: USAFETAC/DS-86/062.
- 6a. Name of Performing Organization: USAFETAC/OL-A
- 6b. Office Symbol:
- 6c. Address: Federal Building, Asheville, NC 28801-2723.
11. Title: (RUSSWO) DOVER AFB DE
12. Personal Author(s):
- 13a. Type of Report: Data Summary
- 13b. Time Covered: Dec 42-Sep 46, Sep 50-Jun 86.
14. Date of Report: Nov 86
15. Page Count: 312
16. Supplementary Notation:
17. COSATI Codes: Field--04, Group--02
18. Subject Terms: *climatology; *weather; meteorological conditions; winds; precipitation; temperature; visibility; barometric pressure; relative humidity; sky cover; psychrometric data; ceiling; Revised Uniform Summary of Surface Weather Observations (RUSSWO); Dover AFB DE; Delaware; Dover Air-Sub Base DE USDE 724088.
19. Abstract: A six-part statistical data summary of surface weather observations for: Dover AFB DE. Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (ADA132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWO) for complete description of contents and instructions for use.
20. Distribution/Availability of Abstract: Same as report.
21. Abstract Security Classification: UNCLASSIFIED.
- 22a. Name of Responsible Individual: Marianne L. Cavanaugh
- 22b. Telephone: (618)256-2625
- 22c. Office Symbol: USAFETAC/LDD

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-spectal observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-spectal, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

In preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Air Force and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV

(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0300, 0300-0600, 0600-0900, 0900-1200, 1200-1500, 1500-1800, 1800-2100, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Hourly missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY

FEBRUARY

MARCH

APRIL

MAY

JUNE

JULY

AUGUST

SEPTEMBER

OCTOBER

NOVEMBER

DECEMBER

STATION NO. OR SUMMARY		STATION NAME		LATITUDE		LONGITUDE		FIELD ELEV. (FT.)		CALL SIGN		WHO NUMBER	
724088		DOVER AFB DELAWARE		N 39 08		W 075 28		28		KDOV		73455	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	MT. BARR.	
1	Dover Air-Sub Base, Delaware	AAF	1 Dec 42	31 Dec 42	N 39 11	W 75 30	20	25	24
2	Dover Army Airfield, Delaware	AAF	1 Jan 43	Feb 43	N 39 08	W 75 29	Same	23	24
3	Same	AAF	Mar 43	Sep 46	Same	W 75 28	Same	23	24
4	Dover Air Force Base, Delaware	AFB	Jul 49	16 Sep 49	Same	Same	Same	23	08
5	Same	Same	Aug 50	14 Jun 53	Same	Same	Same	27	24
6	Same	Same	15 Jun 53	19 Mar 55	Same	Same	Same	27	24
7	Same	Same	7 Apr 55	17 Mar 58	Same	Same	Same	27	24
8	Same	Same	18 Mar 58	Mar 67	Same	Same	Same	32	24
9	Same	Same	Apr 67	6 Nov 74	Same	Same	Same	38	24
10	Same	Same	7 Nov 74	Jul 81	Same	Same	Same	24	24
11	Same	Same	Aug 81	Mar 84	Same	Same	Same	23	24
12	Same	Same	Apr 84	Jun 86	Same	Same	Same	23	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE	
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND		
1	Dec 42	West end of link trainer bldg.	Selsyn	ML-144A	N/A	From Sig Corps FM 1	
2	Jan 43	North end, West wing operations bldg	Same	Same	Same		
3	Jun 43	Same	Same	Same	30 ft		
4	Jul 46	Same	Same	ML-144B	74 ft		
5	Jun 53	Located on platform beside weather station.	AN/GMQ-11	ML-204	30 ft		
6	1 Apr 55	Located on control tower.	Selsyn	ML-144A	Same	From AWS FM 70	
7	7 Apr 55	1. Same	Same	Same	50 ft		
8	3 Apr 56	2. Same	AN/GMQ-11	RO-2/GMQ	30 ft		
9	1 Apr 57	Located at approach end of runway.	Same	Same	40 ft		
10	18 Mar 58	200 ft E of runway 01-19.	AN/GMQ-11	RO-2	15 ft		
		700 ft from weather tower.	AN/GMQ-11	Same	Same		

NUMBER OF STATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	4 Apr 63	Located 700 ft NW from weather tower alongside runway 19.	AN/GMQ-11	RO-2	13 ft	1 Jan 61 ML-102D Aneroid Barometer installed.
2	1 Apr 69	Located 700 ft NW of ROS along-side runway 19.	Same	RO-362	Same	
3	1 Apr 70	1. Located 600 ft E of centerline of runway 19 end of 01/19. 2. Located 1130 ft E of center-line of runway 01 end of 01/19.	AN/GMQ-20	Same	Same	
4	Jul 81	1. Same	Same	Same	Same	
5	Mar 84	2. Same 1. Same 2. Same	Same Same Same	Same Same Same	Same Same Same	

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PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724088 STATION

DOVER AFB DE

77-86

STATION NAME

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02		6.7	2.4	6.7		15.5	17.4	4.4	.9		22.0	930
	03-05		6.3	1.5	7.7		15.2	19.1	4.4	.5		23.1	930
	06-08		7.4	.6	6.3		14.2	20.9	7.0	.6		26.9	930
	09-11		8.4	.4	7.1		15.4	18.4	9.7	1.0	.1	27.2	930
	12-14		8.1	.8	6.7		14.3	14.1	9.0	1.1	.8	23.5	930
	15-17	.1	10.0	.6	5.3		15.8	15.2	9.7	1.1	.5	25.3	930
	18-20		8.8	1.1	5.6		15.3	16.5	8.0	1.1		24.3	930
	21-23	.1	7.1	1.9	5.9		14.1	16.7	4.6	1.2		22.2	930
TOTALS		.0	7.9	1.2	6.4		15.0	17.3	7.1	.9	.2	24.3	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724088 STATION

DOVER AFB DE

STATION NAME

77-86

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02		9.6	1.4	5.6		16.0	24.3	6.9	.9	.4	30.3	846
	03-05		9.6	.9	4.3		14.5	26.1	5.6	.5	.4	30.5	846
	06-08		9.2	.6	5.0		14.2	30.3	10.0	1.1		38.3	846
	09-11		8.2	.6	4.3		12.8	23.3	13.5	1.5	.7	36.9	846
	12-14		7.1	.6	5.6		12.6	17.8	9.6	1.8	1.1	29.6	846
	15-17		7.8	.7	4.8		13.0	18.0	10.4	1.3	.8	29.9	846
	18-20	.1	8.4	.8	5.7		14.3	18.3	8.6	1.1	.1	27.5	846
	21-23		7.7	1.1	5.7		13.9	19.7	7.1	1.1	.4	26.0	846
TOTALS		.0	8.5	.8	5.1		13.9	22.2	9.0	1.2	.5	31.1	6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724088 STATION

DOVER AFR DE

STATION NAME

77-86

YEARS

MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02	.2	11.0	.3	1.8		12.7	14.5	4.6	.3		18.3	930
	03-05		11.6	.5	3.7		15.2	18.0	4.7	.3		21.5	930
	06-08	.3	12.8	.4	2.8	.1	15.2	21.7	10.0	.3		29.7	930
	09-11	.3	12.8	.1	2.2		14.2	18.1	11.1			27.1	929
	12-14		12.8		1.9	.1	13.9	13.9	7.3			20.2	930
	15-17	.1	11.2	.1	1.2	.1	12.2	13.0	5.7			18.2	930
	18-20	.2	10.1	.3	1.7		11.8	13.9	4.8			18.4	930
	21-23	.5	12.4	.3	1.9		14.1	13.0	5.3	.1		17.8	930
TOTALS		.2	11.8	.3	2.2	.0	13.7	15.8	6.7	.1		21.4	7439



WEATHER CONDITIONS

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

724088 DOVER AFB DE 77-86 APR MONTH

STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02	1.2	13.2		.4		13.3	20.6	6.1			22.7	900
	03-05	.1	12.2		1.2		12.7	24.0	5.6			26.0	900
	06-08	.3	12.9		1.3		14.1	28.9	11.9			36.2	900
	09-11	.1	12.1		1.0		12.9	18.2	11.0			26.8	900
	12-14	.1	10.7		1.4	.1	11.1	13.7	9.8			21.3	900
	15-17	.3	9.8		.6		10.3	11.4	9.1			19.6	900
	18-20	.9	12.7		.2	.1	12.7	13.3	8.4			20.2	900
	21-23	1.3	14.8		.3	.1	14.8	15.6	8.6			21.4	900
TOTALS		.5	12.3		.8	.0	12.7	13.2	8.8			24.3	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724088 STATION DOVER AFB DE 77-86 STATION NAME YEARS MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	1.2	9.7				9.7	27.1	9.4			33.0	930
	03-05	.2	10.1				10.1	37.4	11.5			43.2	930
	06-08	.1	9.7				9.7	35.8	18.4			47.5	930
	09-11	.2	8.8				8.8	16.7	19.1			32.9	930
	12-14	.3	9.1				9.1	10.4	16.2			25.4	930
	15-17	1.4	9.9				9.9	10.0	13.2		.3	21.5	930
	18-20	2.5	9.7				9.7	13.1	12.4		.2	23.0	930
	21-23	1.9	11.1				11.1	19.1	12.4			28.0	930
TOTALS		1.0	9.8				9.8	21.2	14.1		.1	31.8	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724088 STATION DOVER AFB DE 77-86 YEARS JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	.8	7.6				7.6	21.3	20.6			36.4	900
	03-05	.6	6.1				6.1	32.3	21.3			44.3	900
	06-08	.6	7.7				7.7	32.8	33.9			54.8	900
	09-11	.2	7.2				7.2	11.6	32.3			41.3	900
	12-14	.6	4.9				4.9	6.9	29.0			34.7	900
	15-17	2.0	7.1				7.1	5.2	26.7			31.0	900
	18-20	3.2	8.2			.1	8.2	10.2	23.4			31.3	898
	21-23	2.2	7.9				7.9	13.7	20.6			31.1	897
TOTALS		1.3	7.1			.0	7.1	16.8	26.0			38.1	7195

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724088 DOVER AFB DE

76-85

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	1.6	4.8				4.8	24.6	32.0			48.1	930
	03-05	.9	4.5				4.5	40.3	34.8			59.6	930
	06-08	.8	5.9				5.9	38.7	41.6			61.9	930
	09-11	.3	5.8				5.8	11.4	37.2			43.5	930
	12-14	1.0	4.8				4.8	4.0	33.5			35.4	930
	15-17	2.6	7.6			.1	7.6	3.5	37.5			39.6	930
	18-20	4.1	7.3				7.3	7.5	38.9			43.4	930
	21-23	3.5	5.6				5.6	15.2	36.3			44.5	930
TOTALS		1.9	5.8			.0	5.8	18.2	36.5			47.0	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724088 DOVER AFB DE
STATION NAME

76-85

YEAR

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	1.3	4.9				4.9	29.0	32.8			48.7	930
	03-05	.8	4.2				4.2	41.9	33.1			57.2	930
	06-08	.9	4.2				4.2	45.1	40.8			64.0	930
	09-11	.8	4.7				4.7	11.5	39.2			44.6	930
	12-14	.9	5.9				5.9	3.9	34.2			36.9	930
	15-17	3.0	5.2				5.2	4.9	34.5			37.7	930
	18-20	2.8	6.3			.1	6.3	8.5	37.0			41.3	930
	21-23	2.8	7.4				7.4	18.4	34.8			44.1	930
TOTALS		1.7	5.4			.0	5.4	20.4	35.8			46.8	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724088
STATION

DOVER AFB DE

76-85

STATION NAME

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.1	7.2				7.2	21.7	24.0			36.6	900
	03-05	.1	6.0				6.0	32.8	22.6			43.0	900
	06-08	.1	6.4				6.4	43.0	28.6			55.4	900
	09-11	.2	6.6				6.6	13.3	25.2			34.0	900
	12-14	.3	5.6				5.6	5.2	19.0			23.6	900
	15-17	1.1	6.2				6.2	5.7	19.4			24.0	900
	18-20	1.2	7.6				7.6	10.7	24.1			30.4	900
	21-23	.9	7.8				7.8	15.2	22.9			33.0	900
TOTALS		.5	6.7				6.7	18.5	23.2			35.0	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724088
STATION

DOVER AFB DE

76-85

STATION NAME

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	.1	12.7				12.7	24.6	9.0			29.0	930
	03-05	.3	12.3				12.3	30.1	8.4			34.5	930
	06-08		9.4		.1		9.4	37.3	12.9			44.7	930
	09-11	.1	9.0		.1		9.0	18.5	14.2			30.5	930
	12-14	.1	9.0		.2		9.2	8.2	10.4			18.1	930
	15-17		7.1				7.1	8.0	10.4			17.6	930
	18-20	.3	9.1				9.1	13.7	11.5			22.5	930
	21-23	.3	11.1				11.1	16.9	10.4			24.0	930
TOTALS		.2	10.0		.1		10.0	19.7	10.9			27.6	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724088
STATION

DOVER AFB DE

STATION NAME

76-85

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		12.4		.3		12.7	26.0	5.3			29.9	900
	03-05		10.7		.8		11.2	28.8	5.6			33.6	900
	06-08		10.3		1.0		11.0	34.9	10.3			41.8	900
	09-11		11.9		1.1	.1	12.6	22.2	11.7			30.9	900
	12-14		10.9		.4	.2	11.3	14.3	9.9			21.8	900
	15-17	.2	10.0		.3		10.3	15.2	9.4			23.0	900
	18-20	.1	11.4		.1		11.6	19.6	9.0			26.0	900
	21-23		13.6		.2		13.8	24.7	8.3			30.0	900
TOTALS		.0	11.4		.5	.0	11.8	23.2	8.7			29.6	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724088 STATION

DOVER AFB DE

STATION NAME

76-85

YEARS

DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		9.4	.2	2.5		11.8	20.0	5.5			24.4	930
	03-05		10.4	.4	2.7		13.1	22.9	5.6			26.8	930
	06-08		10.1		1.8		11.9	25.1	7.0			29.8	930
	09-11	.1	11.2	.2	1.2		12.5	21.0	8.0	.3		27.3	930
	12-14		8.9		1.8		10.8	14.5	5.6	.3		19.5	930
	15-17		10.5		1.3		11.6	15.6	6.1	.1		20.1	930
	18-20		10.9		1.7		12.2	16.2	5.6			20.9	930
	21-23		11.3		1.6	.1	12.5	16.5	6.6			21.7	930
TOTALS		.0	10.3	.1	1.8	.0	12.1	19.0	6.3	.1		23.8	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724088 STATION DOVER AFB DE STATION NAME 76-86 YEARS ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	7.9	1.2	6.4		15.0	17.3	7.1	.9	.2	24.3	7440
FEB		.0	8.5	.8	5.1		13.9	22.2	9.0	1.2	.5	31.1	6768
MAR		.2	11.8	.3	2.2	.0	13.7	15.8	6.7	.1		21.4	7439
APR		.5	12.3		.8	.0	12.7	18.2	8.8			24.3	7200
MAY		1.0	9.8				9.8	21.2	14.1		.1	31.8	7440
JUN		1.3	7.1			.0	7.1	16.8	26.0			38.1	7195
JUL		1.9	5.8			.0	5.8	18.2	36.5			47.0	7440
AUG		1.7	5.4			.0	5.4	20.4	35.8			46.8	7440
SEP		.5	6.7				6.7	18.5	23.2			35.0	7200
OCT		.2	10.0		.1		10.0	19.7	10.9			27.6	7440
NOV		.0	11.4		.5	.0	11.8	23.2	8.7			29.6	7200
DEC		.0	10.3	.1	1.8	.0	12.1	19.0	6.3	.1		23.8	7440
TOTALS		.6	8.9	.2	1.4	.0	10.3	19.2	16.1	.2	.1	31.7	87642

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724088 STATION

DOVER AFB DE

76-86

STATION NAME

YEARS

ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	7.9	1.2	6.4		15.0	17.3	7.1	.9	.2	24.3	7440
FEB		.0	8.5	.8	5.1		13.9	22.2	9.0	1.2	.5	31.1	6768
MAR		.2	11.8	.3	2.2	.0	13.7	15.8	6.7	.1		21.4	7439
APR		.5	12.3		.8	.0	12.7	18.2	8.8			24.3	7200
MAY		1.0	9.8				9.8	21.2	14.1		.1	31.8	7440
JUN		1.3	7.1			.0	7.1	16.8	26.0			38.1	7195
JUL		1.9	5.8			.0	5.8	18.2	36.5			47.0	7440
AUG		1.7	5.4			.0	5.4	20.4	35.8			46.8	7440
SEP		.5	6.7				6.7	18.5	23.2			35.0	7200
OCT		.2	10.0		.1		10.0	19.7	10.9			27.6	7440
NOV		.0	11.4		.5	.0	11.8	23.2	8.7			29.6	7200
DEC		.0	10.3	.1	1.8	.0	12.1	19.0	6.3	.1		23.8	7440
TOTALS		.6	8.9	.2	1.4	.0	10.3	19.2	16.1	.2	.1	31.7	87642

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.

(2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.

(3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $\frac{5}{8}$ mile.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XXX WEATHER CONDITIONS XXX
XXX WEATHER CONDITIONS XXX
ATMOSPHERIC PHENOMENA

724088 STATION

DOVER AFB DE

49-86

STATION NAME

YEARS

ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.8	34.1	4.9	24.9	.3	48.3	41.9	37.6	3.8		55.3	1113
FEB		1.2	37.6	3.4	23.6	.1	49.2	44.2	39.3	3.1		58.6	1016
MAR		4.7	44.3	.7	13.4	.1	49.3	43.7	38.5	1.4		55.9	1116
APR		9.7	50.4	.2	3.0	.4	50.9	44.3	41.3	.1		55.6	1080
MAY		14.6	49.6			.6	49.6	50.6	48.3		.1	62.2	1116
JUN		18.4	44.6			.6	44.6	54.0	62.4			71.7	1080
JUL		22.1	42.1			.4	42.1	58.3	70.4		.2	77.2	1103
AUG		19.6	40.2			.2	40.2	65.5	71.6		.1	80.9	1126
SEP		8.3	36.4				35.4	53.6	60.5			71.1	1080
OCT		3.9	36.8		.6	.1	36.9	52.8	49.6			63.1	1116
NOV		1.5	41.1		5.3	.2	43.5	47.6	42.4	.3		59.6	1080
DEC		.7	39.4	1.9	15.3	.1	46.3	43.9	38.5	1.2		56.6	1115
TOTALS		8.8	41.4	.9	7.2	.3	44.8	50.4	50.0	.8	.0	64.0	13141

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	" .00" equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	" .0" equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	" 0" equals none for the month (whole inches)
3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

* Values for means and standard deviations do not include measurements from incomplete months.

NOTES:

- (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945 at 0800LST
 Jan 46-May 57 at 1230GMT
 Jun 57-present at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52 at 0030GMT
 Jul 52-May 57 at 1230GMT
 Jun 57-present at 1200GMT

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

724088 STATION DOVER AFB DE STATION NAME 42-46, 49-86 YEARS

PRECIP.	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OBS.	MONTHLY AMOUNTS (INCHES)		
																MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	51.4	14.2	3.3	7.0	5.0	7.3	5.6	4.8	1.5					34.4	1230	2.99	8.19	TRACE
FEB	50.2	16.6	2.3	6.3	3.7	7.3	6.0	5.4	2.1	.1				33.2	1121	3.04	7.51	TRACE
MAR	49.6	14.6	3.0	6.8	4.2	7.4	5.5	5.6	3.3					35.8	1229	3.80	7.16	TRACE
APR	48.9	16.4	3.4	6.4	4.5	6.7	6.5	5.2	1.9	.1				34.7	1187	3.17	7.13	TRACE
MAY	50.5	14.8	2.8	6.5	5.3	6.6	6.4	4.9	2.1	.2				34.7	1228	3.39	7.66	TRACE
JUN	54.9	15.3	3.3	6.3	2.8	5.9	4.8	4.0	2.3	.3				29.7	1194	3.16	6.57	.71
JUL	57.0	14.2	3.1	5.0	2.9	5.0	4.2	4.7	2.9	.9	.1			28.8	1228	4.26	12.60	.77
AUG	60.6	12.0	1.6	4.5	3.6	4.6	5.0	3.8	3.8	.6	.1			27.4	1250	4.43	16.57	TRACE
SEP	63.3	11.7	1.8	4.8	2.9	4.6	3.0	3.9	3.4	.6				25.0	1191	3.51	7.70	.44
OCT	62.8	12.8	1.7	4.5	2.8	5.2	4.0	3.3	2.6	.2				24.4	1209	2.98	6.91	.01
NOV	56.3	14.2	2.1	5.6	3.6	4.7	5.6	5.2	2.4	.2	.1			29.5	1170	3.48	8.61	.52
DEC	54.0	14.9	2.0	6.1	3.4	6.3	5.1	5.2	2.9	.1				31.1	1223	3.51	9.07	.00
ANNUAL	55.0	14.3	2.5	5.8	3.7	6.0	5.1	4.7	2.6	.3	.0			30.7	14460	41.72		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 42-46, 49-86

24 HOUR AMOUNTS IN INCHES

-M-O-N-T-H-S-

ALL MONTHS

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATM WEATHER SERVICE/MAC

STATION NUMBER: 725088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 42-46, 49-86

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
74	.60	.67	1.21	.36	.84	1.84	.43	1.82	1.08	1.16	.24	2.21	2.21
75	1.27	.88	2.01	1.82	1.12	.97	5.41	.80	2.74	1.07	1.09	1.87	5.41
76	1.96	.62	.64	.61	.57	.47	2.70	2.20	.94	1.64	.37	1.31	2.70
77	1.06	1.08	1.11	.85	.87	2.68	.50	1.70	2.70	1.01	1.20	2.25	2.70
78	1.61	1.02	1.32	1.18	.67	1.31	2.91	1.36	.22	.88	.63	1.18	2.91
79	1.65	2.69	1.62	.91	1.15	2.18	1.47	1.24	1.34	1.38	1.14	.68	2.69
80	1.20	.51	1.62	1.15	.71	1.44	2.04	1.73	1.76	3.67	.76	.24	3.67
81	.23	.90	.83	1.29	1.35	1.04	.97	1.32	1.88	.82	.28	1.39	1.88
82	.93	.77	1.07	1.30	.99	1.04	.97	1.35	.61	.97	1.74	1.16	1.74
83	.31	.56	1.47	1.24	1.64	3.18	2.38	1.30	1.76	1.47	1.18	1.15	3.18
84	.86	1.18	1.89	1.12	2.64	.70	1.37	1.86	.90	1.24	.72	.56	2.64
85	.86	1.06	.49	.11	1.31	.53	2.73	2.00	2.81	1.48	.95	.41	2.81
86	1.44	.95	1.49	.39	.40	.89							
MEAN	.932	1.030	1.134	1.038	1.121	1.344	1.791	1.809	1.444	1.307	1.297	1.128	3.123
S.D.	.456	.528	.389	.545	.608	.711	1.187	1.562	.781	.763	.976	.545	1.475
TOTAL OBS	1230	1121	1229	1187	1228	1194	1228	1250	1191	1209	1170	1223	14460

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 42-46, 49-86

TOTAL MONTHLY PRECIPITATION IN INCHES
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42													4.00
43	*TRACE	*TRACE	*TRACE	*TRACE	*TRACE	2.34	4.94	1.73	3.21	4.68	4.09	1.66	422.63
44	4.02	1.08	5.23	5.04	2.38	1.46	2.72	4.02	4.54	2.58	5.01	2.14	40.22
45	3.88	2.41	1.73	3.50	2.63	4.71	9.40	1.23	3.94	2.35	3.09	6.75	45.82
46	2.47	2.12	3.00	1.91	6.92	1.70	5.09	3.34	4.73				
49							5.66	4.45					
50							*TRACE		6.34	1.58	2.74	2.15	
51	1.95	3.18	2.68	2.50	3.71	5.17	2.51	2.91	2.17	3.89	6.51	6.63	43.71
52	4.82	1.87	4.82	6.98	5.41	2.43	3.34	9.78	1.26	.71	4.83	3.58	49.83
53	4.43	3.07	4.89	3.33	7.66	2.78	3.80	4.79	.87	2.83	1.98	2.86	43.29
54	2.69	1.51	3.70	2.68	3.48	.71	1.74	2.42	4.52	2.18	4.39	3.09	33.11
55	.34	4.10	3.80	2.58	1.81	5.81	.77	12.26	1.93	2.07	1.99	.47	37.43
56	1.86	2.99	4.05	1.63	1.51	3.22	5.12	3.41	2.67	5.63	8.61	3.67	44.37
57	2.07	3.04	3.20	1.91	1.22	2.84	.93	3.21	3.55	2.27	6.24	4.60	35.08
58	2.74	5.28	7.16	3.92	5.47	2.82	7.80	11.00	2.13	2.83	3.16	2.61	56.92
59	1.88	1.74	3.76	3.46	.97	1.47	12.60	4.81	2.23	4.23	6.03	2.85	46.03
60	2.01	4.04	1.06	2.44	2.99	.86	7.08	4.28	7.37	1.64	1.28	2.88	37.93
61	2.73	5.05	5.09	3.30	4.33	4.23	3.36	2.29	2.26	3.47	2.07	3.13	41.31
62	3.01	2.73	2.98	3.70	1.62	2.05	1.69	2.30	2.67	1.10	5.23	2.02	31.10
63	1.86	1.95	4.54	.48	2.40	2.65	1.26	4.78	3.40	.01	5.22	1.79	30.34
64	3.20	1.50	3.87	2.11	1.20	1.54	2.04	3.19	4.19	2.26	1.56	3.38	34.03
65	4.47	5.19	2.79	5.33	.55	.83	2.18	1.30	4.19	.92	.52	.69	22.81
66	3.53	3.78	1.37	3.07	3.16	2.67	1.37	.97	2.03	6.86	1.24	4.40	39.03
67	1.31	4.91	3.73	2.40	4.69	2.85	3.17	16.57	3.76	2.28	2.23	6.97	54.87
68	1.97	1.45	5.61	2.27	5.08	3.10	*TRACE	1.27	1.44	3.68	4.45	3.02	45.42
69	1.90	2.80	4.08	3.40	2.12	3.94	9.10	3.92	2.75	1.16	2.03	8.07	45.27
70	1.30	1.83	3.54	4.62	1.37	4.33	3.14	2.52	.88	3.05	3.15	3.57	33.30
71	2.45	6.11	3.00	1.48	4.63	1.52	2.73	10.48	7.70	4.69	4.20	3.20	52.19
72	3.17	4.72	2.06	4.13	3.30	6.57	2.41	.86	2.84	5.52	7.03	5.04	47.65
73	3.52	2.69	2.62	3.91	4.23	3.69	4.92	2.96	2.70	2.49	1.17	5.50	40.40

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 42-46, 49-86

MONTHLY PRECIPITATION (FROM DAILY OBSERVATIONS)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
74	2.88	2.01	4.69	1.43	4.90	4.60	.83	5.49	3.51	1.67	.70	5.29	38.00
75	5.40	3.42	5.86	3.85	5.19	3.26	10.39	2.91	5.72	3.27	3.63	3.59	56.49
76	4.87	1.71	2.03	1.00	1.81	1.45	6.29	4.19	3.20	6.91	.82	3.21	37.49
77	2.52	1.27	2.29	1.85	1.12	4.36	1.85	3.90	6.15	4.16	5.70	5.90	41.07
78	7.43	1.83	6.59	2.09	3.76	3.34	7.64	4.61	.44	1.60	2.37	4.85	46.55
79	8.19	7.51	3.64	2.95	3.90	6.36	5.63	5.25	4.65	4.10	3.48	1.67	57.33
80	3.65	1.08	5.84	4.76	2.20	3.98	3.79	4.24	3.73	5.71	2.40	1.00	42.38
81	.61	3.17	1.63	4.60	4.21	3.68	2.82	4.14	5.47	2.41	.77	4.06	37.57
82	3.00	3.55	3.14	4.61	2.04	3.93	2.66	3.21	2.17	1.59	4.58	2.69	37.17
83	1.14	2.57	6.28	7.13	5.47	6.16	4.03	4.33	3.01	2.84	5.58	5.74	54.28
84	1.78	3.80	7.04	5.26	6.68	1.98	4.15	2.90	1.81	2.43	2.18	1.44	41.45
85	2.64	2.53	2.60	.35	5.26	1.79	6.67	4.90	7.49	2.56	3.37	.83	40.99
86	2.89	3.06	2.19	1.80	.72	2.53							
MEAN	2.989	3.042	3.799	3.173	3.387	3.163	4.259	4.427	3.508	2.980	3.478	3.513	42.128
S.D.	1.622	1.479	1.591	1.580	1.858	1.556	2.867	3.305	2.920	1.539	1.991	1.850	8.082
TOTAL OBS	1230	1121	1229	1187	1228	1194	1228	1250	1191	1209	1170	1223	14460

NOTE * (BASED ON LESS THAN FULL MONTHS)

3 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

724088 STATION DOVER AFB DE 46, 49-86 YEARS

PRECIP.	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
																MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-54	55-104	105-154	155-254	255-504	OVER 504					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	75.2	12.6	4.3	4.2	1.6	.7	.6	.6	.3					12.2	1147	5.3	21.5	.0
FEB	75.9	14.2	2.7	2.6	1.6	1.2	.5	.8	.3	.2	.1			10.0	1045	6.4	33.9	TRACE
MAR	86.4	9.2	1.7	1.0	.5	.3	.2	.3	.3					4.4	1147	2.4	20.2	.0
APR	96.9	2.3	.2	.4	.2									.7	1110	.2	2.2	.0
MAY	100.0														1147	.0	.0	.0
JUN	100.0														1110	.0	.0	.0
JUL	100.0														1136	.3	.0	.0
AUG	100.0														1157	.7	.0	.0
SEP	100.0														1101	.3	.0	.0
OCT	99.4	.6													1116	TRACE	TRACE	.7
NOV	94.7	4.5	.1	.2	.3			.1	.1					.7	1080	.6	9.0	.7
DEC	84.8	10.8	1.6	1.2	.7	.4	.2	.2	.2	.2				4.5	1116	2.2	11.2	TRACE
ANNUAL	92.8	4.5	.9	.8	.4	.2	.1	.2	.1	.0	.0			2.7	13412	17.1		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 46, 49-86

24 HOUR AMOUNTS IN INCHES
-M-O-N-T-H-S-

YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS

46	6.2	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	ALL MONTHS
49													
50													
51	3.8	.7	.4	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.8
52	3.3	1.6	1.0	.0	.0	.0	.0	.0	.0	TRACE	1.1	TRACE	3.3
53	.9	1.0	2.0	TRACE	.0	.0	.0	.0	.0	.0	4.7	TRACE	4.7
54	6.6	TRACE	.1	TRACE	.0	.0	.0	.0	.0	.0	.0	.2	6.6
55	1.0	4.3	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.4	4.3
56	1.1	TRACE	6.5	2.2	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.5
57	2.1	2.3	TRACE	1.1	.0	.0	.0	.0	.0	TRACE	TRACE	2.0	2.3
58	.5	6.0	4.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.0	6.0
59	2.1	TRACE	TRACE	.4	.0	.0	.0	.0	.0	.0	TRACE	.6	2.1
60	TRACE	2.0	5.1	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	5.1	5.1
61	4.0	3.2	TRACE	.0	.0	.0	.0	.0	.0	.0	1.6	.9	4.0
62	6.3	3.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.8	6.3
63	1.1	1.0	.3	.0	.0	.0	.0	.0	.0	.0	TRACE	1.7	1.7
64	5.8	5.6	2.5	1.0	.0	.0	.0	.0	.0	.0	.0	.8	5.8
65	4.5	2.1	4.1	1.1	.0	.0	.0	.0	.0	.0	.0	TRACE	4.5
66	6.8	4.4	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	9.1	9.1
67	2.0	11.0	TRACE	.0	.0	.0	.0	.0	.0	.0	9.0	3.8	11.0
68	.7	3.0	1.5	.0	.0	.0	.0	.0	.0	.0	TRACE	5.4	5.4
69	1.3	5.0	8.2	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.7	8.2
70	3.4	2.5	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	1.8	3.4
71	5.1	.7	.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.1
72	.8	4.4	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	4.4
73	.0	2.5	.2	.0	.0	.0	.0	.0	.0	.0	TRACE	1.0	2.5
74	TRACE	6.2	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.2
75	2.8	1.6	2.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.1	2.8
76	1.5	1.1	.1	.0	.0	.0	.0	.0	.0	.0	.7	2.3	2.3
77	2.7	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.7

NOTE * (BASED ON LESS THAN FULL MONTHS)

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/WAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 728088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 46, 49-86

24 HOUR AMOUNTS IN INCHES

ALL MONTHS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
78	1.4	13.0	5.0	TRACE	.0	.0	.0	.0	.0	.0	2.0	TRACE	13.0
79	4.0	17.9	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	.2	17.9
80	6.8	1.4	4.5	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.8
81	.3	TRACE	.4	.0	.0	.0	.0	.0	.0	.0	TRACE	2.1	2.1
82	2.8	3.3	TRACE	2.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.1
83	TRACE	8.4	TRACE	.3	.0	.0	.0	.0	.0	.0	TRACE	TRACE	8.4
84	1.7	.1	.7	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.7
85	3.5	TRACE	TRACE	1.1	.0	.0	.0	.0	.0	.0	.0	4.0	4.0
86	1.6	2.6	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	2.66	3.33	1.33	.25	.00	.00	.00	.00	.00	TRACE	.53	1.59	5.46
S.D.	2.146	3.891	2.159	.563	.000	.000	.000	.000	.000	.000	1.701	2.220	3.907
TOTAL OBS	1147	1045	1147	1110	1147	1110	1136	1157	1101	1116	1080	1116	13412

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 720088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 46, 49-86

TOTAL MONTHLY SNOWFALL IN INCHES

ALL MONTHS

YEAR JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC MONTHS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MONTHS
46	7.2	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1
49													9.4
50													12.4
51	5.8	.9	.4	.0	.0	.0	.0	.0	.0	.0	1.2	TRACE	11.2
52	5.1	1.6	1.5	.0	.0	.0	.0	.0	.0	.0	7.0	TRACE	10.0
53	1.4	1.0	3.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.4	15.0
54	10.7	TRACE	.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	14.2
55	1.9	7.7	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	28.7
56	3.1	TRACE	9.7	2.2	.0	.0	.0	.0	.0	.0	TRACE	TRACE	4.1
57	6.6	4.4	TRACE	1.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	24.8
58	.5	15.0	7.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	18.2
59	3.1	TRACE	TRACE	.4	.0	.0	.0	.0	.0	.0	TRACE	TRACE	23.2
60	TRACE	5.7	12.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.0
61	10.0	5.4	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	21.5
62	8.9	8.6	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	53.6
63	2.4	1.2	.3	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	13.7
64	9.0	10.4	3.8	1.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	29.1
65	10.7	3.3	6.4	1.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	15.4
66	21.5	7.6	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	7.2
67	2.6	32.9	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	14.6
68	2.0	4.5	1.7	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.4
69	2.3	5.3	20.2	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	8.8
70	8.5	2.8	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	7.6
71	6.0	.9	.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	8.7
72	1.1	13.5	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	14.6
73	.0	3.8	.2	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.4
74	TRACE	8.8	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	7.6
75	2.8	2.0	2.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	8.7
76	2.2	1.1	.1	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	8.7
77	8.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	8.7

NOTE * (BASED ON LESS THAN FULL MONTHS)

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 46, 49-86

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
78	4.8	21.1	9.9	TRACE	.0	.0	.0	.0	.0	.0	2.0	TRACE	37.8
79	8.9	35.9	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	.2	43.0
80	8.4	2.0	5.9	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	16.3
81	1.0	TRACE	.8	.0	.0	.0	.0	.0	.0	.0	TRACE	2.7	4.3
82	10.3	7.9	TRACE	2.0	.0	.0	.0	.0	.0	.0	.0	7.1	27.3
83	TRACE	11.8	TRACE	.3	.0	.0	.0	.0	.0	.0	TRACE	TRACE	12.1
84	4.2	.1	1.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.5
85	10.2	TRACE	TRACE	1.1	.0	.0	.0	.0	.0	.0	.0	4.0	15.3
86	3.2	10.6	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	
MEAN	5.26	6.43	2.36	.25	.00	.00	.00	.00	.00	TRACE	.60	2.18	17.31
S.D.	4.508	8.214	4.936	.563	.000	.000	.000	.000	.000	.000	1.895	2.954	12.096
TOTAL OBS	1147	1045	1147	1110	1147	1110	1136	1157	1101	1116	1080	1116	13412

NOTE * (BASED ON LESS THAN FULL MONTHS)

3
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

724038 STATION DOVER AFB DE STATION NAME 42-46, 49-86 YEARS

AMOUNTS (INCHES)																	PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00		MEAN	GREATEST			LEAST		
													OVER 30.4	OVER 50.4							
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4								
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120								
JAN	75.1	8.9	5.0	3.5	2.9	3.1	1.4	.2						16.0	1240						
FEB	76.1	7.4	5.0	3.4	1.2	3.5	2.1	1.2	.1					16.5	1130						
MAR	92.3	2.1	1.9	1.1	1.0	1.3	.4							5.6	1240						
APR	99.2	.7	.2											.2	1200						
MAY	107.0														1240						
JUN	100.0														1200						
JUL	100.0														1228						
AUG	100.0														1250						
SEP	100.0														1205						
OCT	100.0														1209						
NOV	99.1	.5	.2	.2		.1								.4	1169						
DEC	68.3	5.7	2.3	1.5	.4	.9	1.0							6.0	1239						
ANNUAL	94.2	2.1	1.2	.8	.5	.7	.4	.1	.3					3.7	14550						

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 42-46, 49-86

DAILY SNOW DEPTH IN INCHES

-M-O-N-Y-R-S-

ALL

MONTHS

#2

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42	TRACE	0	2	0	0	0	0	0	0	0	TRACE	0	2
43	TRACE	TRACE	3	1	0	0	0	0	0	0	0	5	5
44	TRACE	2	0	0	0	0	0	0	0	0	*0	12	12
45	TRACE	5	0	0	0	0	*0	*0	*0	0	0	0	0
46	6	0	0	0	0	0	0	0	0	0	0	0	0
49	TRACE	1	TRACE	0	0	0	0	0	0	0	0	TRACE	1
50	TRACE	2	1	0	0	0	0	0	0	0	0	0	2
51	TRACE	TRACE	2	0	0	0	0	0	0	0	0	TRACE	4
52	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	7
53	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	4
54	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	4
55	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	4
56	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	4
57	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	4
58	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	4
59	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	4
60	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	4
61	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	4
62	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	4
63	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	4
64	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	4
65	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	4
66	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	4
67	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	4
68	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	4
69	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	4
70	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	4
71	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	4
72	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	4
73	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE	4

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC

AIR WEATHER SERVICE/7MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 42-46, 49-86

DAILY SNOW DEPTH IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
74	TRACE	6	0	0	0	0	0	0	0	0	0	0	6
75	3	TRACE	1	0	0	0	0	0	0	0	0	TRACE	3
76	2	1	1	0	0	0	0	0	0	0	1	1	2
77	3	0	0	0	0	0	0	0	0	0	0	0	3
78	1	16	6	0	0	0	0	0	0	0	2	0	16
79	3	26	TRACE	0	0	0	0	0	0	0	0	TRACE	26
80	6	3	8	0	0	0	0	0	0	0	0	TRACE	8
81	2	0	1	0	0	0	0	0	0	0	0	2	7
82	7	6	0	TRACE	0	0	0	0	0	0	0	5	13
83	0	13	0	TRACE	0	0	0	0	0	0	TRACE	0	13
84	3	TRACE	1	0	0	0	0	0	0	0	0	0	3
85	2	2	0	TRACE	0	0	0	0	0	0	0	0	4
86	2	5	0	0	0	0	0	0	0	0	0	0	4
MEAN	3.3	4.1	1.6	.1	.0	.0	.0	.0	.0	.0	.3	1.8	6.3
S.D.	3.440	5.724	2.697	.221	.000	.000	.000	.000	.000	.000	.795	2.928	5.393
TOTAL OBS	1240	1130	1240	1200	1240	1200	1228	1250	1205	1209	1169	1239	14550

NOTE * (BASED ON LESS THAN FULL MONTHS)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 55-86

DAILY PEAK GUSTS IN KNOTS
-M-0-N-Y-H-S-

ALL MONTHS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	MONTHS
55	NW 45	NW 45	NW 54	NW 36	SW 36	ENE 43	NW 45	ENE 52	NW 37	ENE 51	NW 48	NW 39	M 54
56	NW 43	WSW 69	NW 44	NW 40	SW 36	S *38	S *46	NW 27	NW 42	NW 28	SSW 38	NW 36	WSW 69
57	NW 50	NW 32	NW 33	NW 40	NW 25	NW 42	NW 33	W 33	WSW 26	ENE 38	SSW 42	N 40	NW 50
58	NE 35	NW 38	NW 44	ESE 35	SW 50	M 40	M 35	ENE 26	N 29	NW 33	NW 34	M 39	SW 50
59	NW 41	NW 42	SW 44	M 33	WSW 30	NW 34	WSW 28	NNE 34	E 29	SSW 26	S 37	WSW 36	SW 44
60	S 41	E 45	NW 40	E 32	NW 26	NW 29	NNE 33	NW 32	NW 56	NW 24	W 34	N 42	NW 56
61	NW 37	SW 45	E 38	E 38	NW 30	M *37	SW *17	S *18	N *36	NNE 26	NW 38	M *37	SW 45
62	SW 36	NW 29	ENE 50	M 34	SW 38	WSW 26	WSW 45	SW 28	M 28	W *31	ESE 48	NW 52	NW 52
63	NW 43	NW 38	NW 38	M *49	M 34	ENE 40	NW 27	NW 30	SSW 32	NW 36	E 40	NW 31	M *49
64	NW *41	NW 41	SW 53	SW 41	M 29	M 42	NW 30	SW 27	M 28	NW 29	SW 36	WSW 42	SW 53
65	NW 40	SW 46	E 40	NW 40	NW 33	N 33	SSW 32	NW 31	SW 33	SE 45	NW 42	SSW 34	SW 46
66	M 48	M 42	M 43	SW 30	NW 32	SW 46	N 26	SW 29	E 32	NW 33	SSW 34	N 40	M 48
67	NW 40	M 46	NW 41	M 38	SW 40	SW 28	NW 32	N 29	N 34	SSE 30	NW 34	NW 32	M 46
68	E 39	NW 43	NW 42	SW 41	E 40	ESE 29	36	35	21	36	34	27	7
69	27	35	31	47	34	36	5	48	21	35	17	26	30
70	30	34	33	43	18	33	24	50	32	32	42	30	30
71	29	50	19	44	24	74	3	40	20	37	23	30	31
72	21	45	27	53	24	53	12	29	5	31	31	58	30
73	34	38	23	48	21	52	29	39	29	38	32	38	33
74	21	34	16	42	29	41	23	37	32	43	30	45	29
75	27	47	23	35	31	39	28	51	30	33	35	42	32
76	29	48	30	60	31	51	28	34	27	39	20	25	1
77	29	47	27	42	30	47	23	33	36	49	20	25	1
78	20	59	32	40	18	40	24	45	8	35	30	29	27
79	33	40	31	39	25	38	31	46	21	36	32	35	36
80	32	35	34	33	32	46	32	37	34	33	58	15	27
81	22	36	25	47	32	39	20	37	16	26	33	40	24
82	28	44	19	30	22	38	31	40	35	28	27	39	33
83	32	30	5	39	32	37	28	32	31	35	18	24	27
84	36	31	29	32	6	48	30	27	30	54	29	36	27

NOTES * (BASED ON LESS THAN FULL MONTHS)
\$ (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MHC
EXTREME VALUES OF SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 728088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 55-86

DAILY PEAK GUSTS IN KNOTS													
-M-O-N-T-H-S-													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
85	31/ 39	29/ 37	28/ 46	20/ 37	1/ 29	32/ 35	29/ 38	30/ 48	30/ 60	29/ 31	10/ 46	30/ 42	30/ 60
86	31/ 33	32/ 29	21/ 48	13/ 28	26/ 32	26/ 30							
MEAN	40.7	41.9	44.5	37.7	35.2	36.9	34.9	32.3	34.4	34.9	38.4	40.5	52.7
S.D.	6.532	8.456	8.033	6.052	6.909	8.831	8.263	7.367	9.107	5.964	5.455	7.152	5.636
TOTAL OBS	988	902	984	952	979	913	928	912	909	930	905	952	11254

NOTES * (BASED ON LESS THAN FULL MONTHS)
\$ (BASED ON LESS THAN FULL MONTHS AND 100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(LST): 0000-0200

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-58	TOTAL	MEAN WIND
N	2.3	1.8	3.7	1.6	.2							9.6	7.3
NNE	.9	.6	.6	.4	.3							2.9	7.7
NE	.4	1.2	.1	.1								1.8	5.3
ENE	.1	.8	1.1	.3	.1							2.4	8.1
E	.3	.4	.5	.3	.1							1.7	7.8
ESE	.2	.3	.4									1.0	5.8
SE	.3	.8	.3									1.4	5.5
SSE	1.1	.6		.1								1.8	4.1
S	2.8	2.7	.8	.4	.1	.2						7.0	5.3
SSW	1.1	1.0	1.3	.6	.5	.2						4.7	8.6
SW	.8	1.1	1.1	.8	.1	.1						3.9	8.1
WSW	1.6	1.2	1.3	.2	.1	.1						4.5	5.8
W	1.4	4.3	4.0	2.0	.5	.5	.1					12.9	8.7
WNW	1.0	2.6	5.3	4.0	1.1	.3						14.2	10.2
NW	.8	2.7	4.5	3.0	.5	.2						11.7	9.2
NNW	.9	2.0	3.2	.5	.1							6.8	6.9

VARIABLE

CALM	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
TOTALS	15.8	24.1	28.2	14.4	4.0	1.7	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(IST): 0300-0500

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-65	TOTAL	MEAN WIND SPEED
N	2.4	3.5	2.3	1.9								10.1	6.7
NNE	.4	1.2	.9	.3	.1							2.9	7.2
NE	.4	1.0	.3	.1								1.8	5.6
ENE	.5	.8	.4	.4	.1							2.3	7.4
E	.5	.9	.5	.6	.2							2.8	8.3
ESE	.3	.6	.1	.1								1.2	5.6
SE	.1	.5	.3	.3								1.3	7.2
SSE	1.6	.9	.3									2.8	3.7
S	1.6	1.9	.9	.3	.1	.2						5.1	6.7
SSW	1.2	.8	1.1	.9	.2		.2					4.3	8.8
SW	1.3	1.3	1.0	.3								3.9	5.7
WSW	1.5	2.6	1.0	.2	.2							5.5	5.8
W	1.5	3.3	2.8	2.5	1.1	.2						11.4	9.0
WNW	1.1	2.0	5.6	5.3	1.3	.1						15.4	10.3
NW	.9	1.9	4.5	1.6	.4							9.4	8.4
NNW	1.1	2.0	4.2	1.2	.1							8.6	7.6

VARIABLE

CALM	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
TOTALS	16.5	25.3	26.1	16.1	3.8	.4	.4	.4	.4	.4	.4	100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(IST): 0600-0800

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	1.6	3.1	2.6	1.0								8.3	6.6
NNE	.3	1.5	1.3	.5	.1							3.8	7.5
NE	.1	.8	1.4	.2								2.5	7.3
ENE	.2	.2	.5	.4								1.4	8.3
E	.5	.5	.5	.3								1.9	6.9
ESE	.4	.6	.3	.3								1.7	6.2
SE	.3	.9	.5	.2								1.9	6.4
SSE	.4	1.0	.2	.1								1.7	4.9
S	1.1	1.3	1.3	.8								4.4	6.4
SSW	1.0	1.8	1.8	.3			.2					5.2	7.4
SW	1.2	1.4	.3	.4			.1					3.4	6.2
WSW	1.5	2.3	1.4	.3	.2							5.7	5.8
W	1.5	3.1	3.4	3.7	1.0							12.7	9.0
WNW	.6	3.1	4.1	4.2	1.0							13.0	10.0
NW	1.3	2.3	4.0	2.3	.6							10.4	8.5
NNW	1.1	2.4	4.0	1.6	.1							9.1	7.6

VARIABLE

CALM	12.8	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
TOTALS	13.2	26.2	27.7	16.7	3.0	.3						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS

STATION NUMBER: 725088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(LST): 0900-1100

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-58	TOTAL	MEAN WIND
N	1.1	3.4	3.9	2.2	.1							10.6	7.7
NNE	.5	1.1	2.4	.4	.1							4.5	7.9
NE	.4	1.1	2.0	.3								3.9	7.4
ENE	.2	.8	.8	.2	.1							2.0	7.6
E	.5	.5	.6	.2	.1							2.0	7.1
ESE	.3	.3	.1	.1	.1							1.0	7.2
SE	.8	1.0	1.0	.2								2.9	6.0
SSE	.5	1.2	1.1									2.8	5.7
S	.5	.8	.9	1.0								3.1	7.7
SSW	.8	1.2	1.4	1.9								5.3	8.5
SW	.3	1.4	.9	.9	.1	.2		.2				4.0	10.4
WSW	.3	.9	1.6	1.0	.1							3.9	8.5
W	.6	1.9	5.1	4.4	1.6	.4						14.1	11.1
WNW	.9	1.3	3.7	6.2	2.0	.1						14.2	11.6
NW	.5	1.6	3.5	4.2	1.3	.5						11.7	11.3
NNW	.4	1.3	3.3	3.8	.3	.2						9.4	10.5

VARIABLE	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	4.6	11.1
CALM	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	100.0	9.1
TOTALS	8.8	19.7	32.2	27.0	5.9	1.6	.2						

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/WAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.8	1.9	4.4	1.6	.3	.1					9.1	8.5
NNE	.2	.8	1.4	.4							2.8	7.7
NE	.4	.4	1.6	.3							2.8	7.0
ENE	.6	1.5	.6	.4							3.2	6.0
E	.8	1.4	1.0	.2							3.3	5.9
ESE	.3	1.7	.3	.2	.1						2.7	6.2
SE	.6	.6	.2	.2							1.7	5.3
SSE	.2	.8	.5								1.5	5.9
S	.4	.9	1.2	1.0	.1						3.5	8.3
SSW	.3	.5	.8	1.9	.1	.2					3.9	11.2
SW	.3	.6	1.3	1.3	.3	.1	.2				4.2	10.9
WSW	.8	1.1	1.5	1.7			.1				5.2	8.8
W	.6	2.2	3.4	4.9	1.8	.5	.1				13.7	11.7
WNW	.3	1.1	5.2	7.1	3.0	.5					17.2	12.7
NW	.1	.8	3.5	6.8	2.4	.1					13.5	12.9
NNW	.4	1.4	2.9	3.0	.4	.3					8.5	10.4

VARIABLE												
CALM	////////////////////										3.1	////
TOTALS	7.2	17.6	29.9	31.2	8.6	1.9	.4				100.0	10.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 ATR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	1.4	2.5	3.7	1.0	.1							8.6	6.9
NNE	.4	.3	1.3	.5								2.6	8.0
NE	.3	.3	.3	.1								1.1	5.3
ENE	.2	.5	1.1	.3	.1							2.3	8.1
E	1.8	2.8	.1	.4								5.2	4.9
ESE	1.4	1.0	.6		.1							3.1	4.8
SE	.5	1.3	.3		.1							2.3	5.6
SSE	.2	.1	.1									.4	5.5
S	.2	.5	.6	1.0	.2							2.6	9.5
SSW	.3	1.1	1.5	1.7	.1							4.7	9.3
SW	.4	.9	1.6	.5								3.4	7.3
WSW	.6	.9	2.4	.6	.5							5.1	8.7
W	1.1	3.5	4.3	4.1	1.0	.5						14.5	9.9
WNW	.3	1.7	5.1	6.2	2.8	.2						16.3	11.9
NW	.3	1.4	4.8	6.7	1.7	.1						15.1	11.9
NNW	1.0	1.8	1.5	2.0	.4							6.8	9.0

VARIABLE

CALM	6.0	////////	////////	////////	////////	////////	////////	////////	////////	////////	////////	6.0	////////
TOTALS	10.6	20.6	29.4	25.3	7.2	.9						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	1.9	2.8	2.0	.8							7.5	6.0
NNE	1.2	1.2	.4	.9							3.7	6.4
NE	.2	.5	.6	.4							1.8	7.8
ENE		.5	1.0	.1							1.6	7.7
E	1.1	.9	.8	.5	.2	.1					3.5	7.7
ESE	.6	.6	.1								1.4	4.0
SE	1.0	.6	.4								2.0	4.1
SSE	1.4	.2	.2								1.8	3.5
S	3.2	1.6	.9	.9							6.6	4.8
SSW	1.0	1.3	1.6	.8	.1						4.7	7.2
SW	1.1	1.9	.4	.1	.1						3.7	5.1
WSW	2.6	2.2	.6	.3	.1						5.8	4.8
W	2.5	2.8	3.0	2.9	.3	.1	.1				11.7	8.1
WNW	.4	3.2	4.1	5.1	1.0	.2	.1				14.1	10.4
NW	.8	1.6	3.0	3.9	1.1						10.3	10.3
NNW	1.1	2.6	2.4	1.7	.2						8.0	7.9

VARIABLE

CALM /// 11.7 //

TOTALS 20.0 24.6 21.6 18.3 3.1 .4 .2 100.0 6.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(LST): 2100-2300

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	2.3	3.4	2.3	1.4	.1							9.5	6.5
NNE	.5	.8	.3	.4	.4							2.5	8.7
NE		.3	.9	.3	.1							1.6	9.2
ENE	.3	.6	.9	.2								2.0	6.9
E	.6	.4	.4	.4	.1							2.0	7.2
ESE	.4	.5	.2									1.2	5.0
SE	.2	.6	.2									1.1	5.0
SSE	1.6	.3	.2	.1								2.3	3.8
S	3.1	1.7	.5	.5	.3	.1						6.3	5.8
SSW	1.2	1.7	1.3	1.0	.1							5.3	7.3
SW	1.9	1.5	1.0	.3								4.7	5.2
WSW	2.2	1.7	.8	.1	.3							5.1	5.7
W	1.9	3.4	3.2	2.0	.1	.4	.2					11.4	8.4
WNW	.8	1.9	4.8	5.4	1.0	.2	.1					14.2	10.7
NW	.3	2.6	3.0	4.0	.8	.2						10.9	10.3
NNW	.5	2.8	3.2	.8	.4							7.7	7.7

VARIABLE

CALM	18.0	24.5	23.2	16.9	3.5	1.3	.3					100.0	6.9
TOTALS													

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(SLST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	1.7	2.8	3.1	1.4	.1	.0					9.2	7.1
NNE	.6	.9	1.1	.5	.1						3.2	7.6
NE	.3	.7	.9	.2	.0						2.2	7.0
ENE	.3	.7	.8	.3	.1						2.2	7.4
E	.8	1.0	.6	.4	.1	.0					2.8	6.7
ESE	.5	.7	.3	.1	.0	.0					1.7	5.5
SE	.5	.8	.4	.1	.0						1.8	5.6
SSE	.9	.6	.3	.0	.0						1.9	4.5
S	1.6	1.4	.9	.7	.1	.1	.0				4.8	6.4
SSW	.8	1.2	1.3	1.1	.1	.1	.1				4.8	8.4
SW	.9	1.3	.9	.6	.1	.1	.0	.0			3.9	7.4
WSW	1.4	1.6	1.3	.6	.2	.1	.0				5.1	6.6
W	1.4	3.1	3.7	3.3	.9	.3	.1				12.8	9.6
WNW	.7	2.1	4.7	5.4	1.6	.2	.0				14.8	11.0
NW	.6	1.9	3.9	4.0	1.1	.1					11.6	10.5
NNW	.8	2.0	3.1	1.8	.3	.1					8.1	8.5

VARIABLE												9.2
CALM	////////////////////											7.8
TOTALS	13.8	22.8	27.3	20.7	4.9	1.0	.2	.0			100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: FEB HOURS(IST): 0000-0200

DIRECTION (DEGREES) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56-59 60-63 64-67 68-71 72-75 76-79 80-83 84-87 88-91 92-95 96-99 100-103 104-107 108-111 112-115 116-119 120-123 124-127 128-131 132-135 136-139 140-143 144-147 148-151 152-155 156-159 160-163 164-167 168-171 172-175 176-179 180-183 184-187 188-191 192-195 196-199 200-203 204-207 208-211 212-215 216-219 220-223 224-227 228-231 232-235 236-239 240-243 244-247 248-251 252-255 256-259 260-263 264-267 268-271 272-275 276-279 280-283 284-287 288-291 292-295 296-299 300-303 304-307 308-311 312-315 316-319 320-323 324-327 328-331 332-335 336-339 340-343 344-347 348-351 352-355 356-359 360-363 364-367 368-371 372-375 376-379 380-383 384-387 388-391 392-395 396-399 400-403 404-407 408-411 412-415 416-419 420-423 424-427 428-431 432-435 436-439 440-443 444-447 448-451 452-455 456-459 460-463 464-467 468-471 472-475 476-479 480-483 484-487 488-491 492-495 496-499 500-503 504-507 508-511 512-515 516-519 520-523 524-527 528-531 532-535 536-539 540-543 544-547 548-551 552-555 556-559 560-563 564-567 568-571 572-575 576-579 580-583 584-587 588-591 592-595 596-599 600-603 604-607 608-611 612-615 616-619 620-623 624-627 628-631 632-635 636-639 640-643 644-647 648-651 652-655 656-659 660-663 664-667 668-671 672-675 676-679 680-683 684-687 688-691 692-695 696-699 700-703 704-707 708-711 712-715 716-719 720-723 724-727 728-731 732-735 736-739 740-743 744-747 748-751 752-755 756-759 760-763 764-767 768-771 772-775 776-779 780-783 784-787 788-791 792-795 796-799 800-803 804-807 808-811 812-815 816-819 820-823 824-827 828-831 832-835 836-839 840-843 844-847 848-851 852-855 856-859 860-863 864-867 868-871 872-875 876-879 880-883 884-887 888-891 892-895 896-899 900-903 904-907 908-911 912-915 916-919 920-923 924-927 928-931 932-935 936-939 940-943 944-947 948-951 952-955 956-959 960-963 964-967 968-971 972-975 976-979 980-983 984-987 988-991 992-995 996-999 1000-1003 1004-1007 1008-1011 1012-1015 1016-1019 1020-1023 1024-1027 1028-1031 1032-1035 1036-1039 1040-1043 1044-1047 1048-1051 1052-1055 1056-1059 1060-1063 1064-1067 1068-1071 1072-1075 1076-1079 1080-1083 1084-1087 1088-1091 1092-1095 1096-1099 1100-1103 1104-1107 1108-1111 1112-1115 1116-1119 1120-1123 1124-1127 1128-1131 1132-1135 1136-1139 1140-1143 1144-1147 1148-1151 1152-1155 1156-1159 1160-1163 1164-1167 1168-1171 1172-1175 1176-1179 1180-1183 1184-1187 1188-1191 1192-1195 1196-1199 1200-1203 1204-1207 1208-1211 1212-1215 1216-1219 1220-1223 1224-1227 1228-1231 1232-1235 1236-1239 1240-1243 1244-1247 1248-1251 1252-1255 1256-1259 1260-1263 1264-1267 1268-1271 1272-1275 1276-1279 1280-1283 1284-1287 1288-1291 1292-1295 1296-1299 1300-1303 1304-1307 1308-1311 1312-1315 1316-1319 1320-1323 1324-1327 1328-1331 1332-1335 1336-1339 1340-1343 1344-1347 1348-1351 1352-1355 1356-1359 1360-1363 1364-1367 1368-1371 1372-1375 1376-1379 1380-1383 1384-1387 1388-1391 1392-1395 1396-1399 1400-1403 1404-1407 1408-1411 1412-1415 1416-1419 1420-1423 1424-1427 1428-1431 1432-1435 1436-1439 1440-1443 1444-1447 1448-1451 1452-1455 1456-1459 1460-1463 1464-1467 1468-1471 1472-1475 1476-1479 1480-1483 1484-1487 1488-1491 1492-1495 1496-1499 1500-1503 1504-1507 1508-1511 1512-1515 1516-1519 1520-1523 1524-1527 1528-1531 1532-1535 1536-1539 1540-1543 1544-1547 1548-1551 1552-1555 1556-1559 1560-1563 1564-1567 1568-1571 1572-1575 1576-1579 1580-1583 1584-1587 1588-1591 1592-1595 1596-1599 1600-1603 1604-1607 1608-1611 1612-1615 1616-1619 1620-1623 1624-1627 1628-1631 1632-1635 1636-1639 1640-1643 1644-1647 1648-1651 1652-1655 1656-1659 1660-1663 1664-1667 1668-1671 1672-1675 1676-1679 1680-1683 1684-1687 1688-1691 1692-1695 1696-1699 1700-1703 1704-1707 1708-1711 1712-1715 1716-1719 1720-1723 1724-1727 1728-1731 1732-1735 1736-1739 1740-1743 1744-1747 1748-1751 1752-1755 1756-1759 1760-1763 1764-1767 1768-1771 1772-1775 1776-1779 1780-1783 1784-1787 1788-1791 1792-1795 1796-1799 1800-1803 1804-1807 1808-1811 1812-1815 1816-1819 1820-1823 1824-1827 1828-1831 1832-1835 1836-1839 1840-1843 1844-1847 1848-1851 1852-1855 1856-1859 1860-1863 1864-1867 1868-1871 1872-1875 1876-1879 1880-1883 1884-1887 1888-1891 1892-1895 1896-1899 1900-1903 1904-1907 1908-1911 1912-1915 1916-1919 1920-1923 1924-1927 1928-1931 1932-1935 1936-1939 1940-1943 1944-1947 1948-1951 1952-1955 1956-1959 1960-1963 1964-1967 1968-1971 1972-1975 1976-1979 1980-1983 1984-1987 1988-1991 1992-1995 1996-1999 2000-2003 2004-2007 2008-2011 2012-2015 2016-2019 2020-2023 2024-2027 2028-2031 2032-2035 2036-2039 2040-2043 2044-2047 2048-2051 2052-2055 2056-2059 2060-2063 2064-2067 2068-2071 2072-2075 2076-2079 2080-2083 2084-2087 2088-2091 2092-2095 2096-2099 2100-2103 2104-2107 2108-2111 2112-2115 2116-2119 2120-2123 2124-2127 2128-2131 2132-2135 2136-2139 2140-2143 2144-2147 2148-2151 2152-2155 2156-2159 2160-2163 2164-2167 2168-2171 2172-2175 2176-2179 2180-2183 2184-2187 2188-2191 2192-2195 2196-2199 2200-2203 2204-2207 2208-2211 2212-2215 2216-2219 2220-2223 2224-2227 2228-2231 2232-2235 2236-2239 2240-2243 2244-2247 2248-2251 2252-2255 2256-2259 2260-2263 2264-2267 2268-2271 2272-2275 2276-2279 2280-2283 2284-2287 2288-2291 2292-2295 2296-2299 2300-2303 2304-2307 2308-2311 2312-2315 2316-2319 2320-2323 2324-2327 2328-2331 2332-2335 2336-2339 2340-2343 2344-2347 2348-2351 2352-2355 2356-2359 2360-2363 2364-2367 2368-2371 2372-2375 2376-2379 2380-2383 2384-2387 2388-2391 2392-2395 2396-2399 2400-2403 2404-2407 2408-2411 2412-2415 2416-2419 2420-2423 2424-2427 2428-2431 2432-2435 2436-2439 2440-2443 2444-2447 2448-2451 2452-2455 2456-2459 2460-2463 2464-2467 2468-2471 2472-2475 2476-2479 2480-2483 2484-2487 2488-2491 2492-2495 2496-2499 2500-2503 2504-2507 2508-2511 2512-2515 2516-2519 2520-2523 2524-2527 2528-2531 2532-2535 2536-2539 2540-2543 2544-2547 2548-2551 2552-2555 2556-2559 2560-2563 2564-2567 2568-2571 2572-2575 2576-2579 2580-2583 2584-2587 2588-2591 2592-2595 2596-2599 2600-2603 2604-2607 2608-2611 2612-2615 2616-2619 2620-2623 2624-2627 2628-2631 2632-2635 2636-2639 2640-2643 2644-2647 2648-2651 2652-2655 2656-2659 2660-2663 2664-2667 2668-2671 2672-2675 2676-2679 2680-2683 2684-2687 2688-2691 2692-2695 2696-2699 2700-2703 2704-2707 2708-2711 2712-2715 2716-2719 2720-2723 2724-2727 2728-2731 2732-2735 2736-2739 2740-2743 2744-2747 2748-2751 2752-2755 2756-2759 2760-2763 2764-2767 2768-2771 2772-2775 2776-2779 2780-2783 2784-2787 2788-2791 2792-2795 2796-2799 2800-2803 2804-2807 2808-2811 2812-2815 2816-2819 2820-2823 2824-2827 2828-2831 2832-2835 2836-2839 2840-2843 2844-2847 2848-2851 2852-2855 2856-2859 2860-2863 2864-2867 2868-2871 2872-2875 2876-2879 2880-2883 2884-2887 2888-2891 2892-2895 2896-2899 2900-2903 2904-2907 2908-2911 2912-2915 2916-2919 2920-2923 2924-2927 2928-2931 2932-2935 2936-2939 2940-2943 2944-2947 2948-2951 2952-2955 2956-2959 2960-2963 2964-2967 2968-2971 2972-2975 2976-2979 2980-2983 2984-2987 2988-2991 2992-2995 2996-2999 3000-3003 3004-3007 3008-3011 3012-3015 3016-3019 3020-3023 3024-3027 3028-3031 3032-3035 3036-3039 3040-3043 3044-3047 3048-3051 3052-3055 3056-3059 3060-3063 3064-3067 3068-3071 3072-3075 3076-3079 3080-3083 3084-3087 3088-3091 3092-3095 3096-3099 3100-3103 3104-3107 3108-3111 3112-3115 3116-3119 3120-3123 3124-3127 3128-3131 3132-3135 3136-3139 3140-3143 3144-3147 3148-3151 3152-3155 3156-3159 3160-3163 3164-3167 3168-3171 3172-3175 3176-3179 3180-3183 3184-3187 3188-3191 3192-3195 3196-3199 3200-3203 3204-3207 3208-3211 3212-3215 3216-3219 3220-3223 3224-3227 3228-3231 3232-3235 3236-3239 3240-3243 3244-3247 3248-3251 3252-3255 3256-3259 3260-3263 3264-3267 3268-3271 3272-3275 3276-3279 3280-3283 3284-3287 3288-3291 3292-3295 3296-3299 3300-3303 3304-3307 3308-3311 3312-3315 3316-3319 3320-3323 3324-3327 3328-3331 3332-3335 3336-3339 3340-3343 3344-3347 3348-3351 3352-3355 3356-3359 3360-3363 3364-3367 3368-3371 3372-3375 3376-3379 3380-3383 3384-3387 3388-3391 3392-3395 3396-3399 3400-3403 3404-3407 3408-3411 3412-3415 3416-3419 3420-3423 3424-3427 3428-3431 3432-3435 3436-3439 3440-3443 3444-3447 3448-3451 3452-3455 3456-3459 3460-3463 3464-3467 3468-3471 3472-3475 3476-3479 3480-3483 3484-3487 3488-3491 3492-3495 3496-3499 3500-3503 3504-3507 3508-3511 3512-3515 3516-3519 3520-3523 3524-3527 3528-3531 3532-3535 3536-3539 3540-3543 3544-3547 3548-3551 3552-3555 3556-3559 3560-3563 3564-3567 3568-3571 3572-3575 3576-3579 3580-3583 3584-3587 3588-3591 3592-3595 3596-3599 3600-3603 3604-3607 3608-3611 3612-3615 3616-3619 3620-3623 3624-3627 3628-3631 3632-3635 3636-3639 3640-3643 3644-3647 3648-3651 3652-3655 3656-3659 3660-3663 3664-3667 3668-3671 3672-3675 3676-3679 3680-3683 3684-3687 3688-3691 3692-3695 3696-3699 3700-3703 3704-3707 3708-3711 3712-3715 3716-3719 3720-3723 3724-3727 3728-3731 3732-3735 3736-3739 3740-3743 3744-3747 3748-3751 3752-3755 3756-3759 3760-3763 3764-3767 3768-3771 3772-3775 3776-3779 3780-3783 3784-3787 3788-3791 3792-3795 3796-3799 3800-3803 3804-3807 3808-3811 3812-3815 3816-3819 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GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86
 MONTH: FEB HOURS(LST): 0300-0500

WIND SPEED IN KNOTS

DIRECTION (DEGREES) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56-65 66-75 76-85 86-95 96-105 106-115 116-125 126-135 136-145 146-155 156-165 166-175 176-185 186-195 196-205 206-215 216-225 226-235 236-245 246-255 256-265 266-275 276-285 286-295 296-305 306-315 316-325 326-335 336-345 346-355 356-365 366-375 376-385 386-395 396-405 406-415 416-425 426-435 436-445 446-455 456-465 466-475 476-485 486-495 496-505 506-515 516-525 526-535 536-545 546-555 556-565 566-575 576-585 586-595 596-605 606-615 616-625 626-635 636-645 646-655 656-665 666-675 676-685 686-695 696-705 706-715 716-725 726-735 736-745 746-755 756-765 766-775 776-785 786-795 796-805 806-815 816-825 826-835 836-845 846-855 856-865 866-875 876-885 886-895 896-905 906-915 916-925 926-935 936-945 946-955 956-965 966-975 976-985 986-995 996-1005 1006-1015 1016-1025 1026-1035 1036-1045 1046-1055 1056-1065 1066-1075 1076-1085 1086-1095 1096-1105 1106-1115 1116-1125 1126-1135 1136-1145 1146-1155 1156-1165 1166-1175 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9176-9185 9186-9195 9196-9205 9206-9215 9216-9225 9226-9235 9236-9245 9246-9255 9256-9265 9266-9275 9276-9285 9286-9295 9296-9305 9306-9315 9316-9325 9326-9335 9336-9345 9346-9355 9356-9365 9366-9375 9376-9385 9386-9395 9396-9405 9406-9415 9416-9425 9426-9435 9436-9445 9446-9455 9456-9465 9466-9475 9476-9485 9486-9495 9496-9505 9506-9515 9516-9525 9526-9535 9536-9545 9546-9555 9556-9565 9566-9575 9576-9585 9586-9595 9596-9605 9606-9615 9616-9625 9626-9635 9636-9645 9646-9655 9656-9665 9666-9675 9676-9685 9686-9695 9696-9705 9706-9715 9716-9725 9726-9735 9736-9745 9746-9755 9756-9765 9766-9775 9776-9785 9786-9795 9796-9805 9806-9815 9816-9825 9826-9835 9836-9845 9846-9855 9856-9865 9866-9875 9876-9885 9886-9895 9896-9905 9906-9915 9916-9925 9926-9935 9936-9945 9946-9955 9956-9965 9966-9975 9976-9985 9986-9995 9996-10005 10006-10015 10016-10025 10026-10035 10036-10045 10046-10055 10056-10065 10066-10075 10076-10085 10086-10095 10096-10105 10106-10115 10116-10125 10126-10135 10136-10145 10146-10155 10156-10165 10166-10175 10176-10185 10186-10195 10196-10205 10206-10215 10216-10225 10226-10235 10236-10245 10246-10255 10256-10265 10266-10275 10276-10285 10286-10295 10296-10305 10306-10315 10316-10325 10326-10335 10336-10345 10346-10355 10356-10365 10366-10375 10376-10385 10386-10395 10396-10405 10406-10415 10416-10425 10426-10435 10436-10445 10446-10455 10456-10465 10466-10475 10476-10485 10486-10495 10496-10505 10506-10515 10516-10525 10526-10535 10536-10545 10546-10555 10556-10565 10566-10575 10576-10585 10586-10595 10596-10605 10606-10615 10616-10625 10626-10635 10636-10645 10646-10655 10656-10665 10666-10675 10676-10685 10686-10695 10696-10705 10706-10715 10716-10725 10726-10735 10736-10745 10746-10755 10756-10765 10766-10775 10776-10785 10786-10795 10796-10805 10806-10815 10816-10825 10826-10835 10836-10845 10846-10855 10856-10865 10866-10875 10876-10885 10886-10895 10896-10905 10906-10915 10916-10925 10926-10935 10936-10945 10946-10955 10956-10965 10966-10975 10976-10985 10986-10995 10996-11005 11006-11015 11016-11025 11026-11035 11036-11045 11046-11055 11056-11065 11066-11075 11076-11085 11086-11095 11096-11105 11106-11115 11116-11125 11126-11135 11136-11145 11146-11155 11156-11165 11166-11175 11176-11185 11186-11195 11196-11205 11206-11215 11216-11225 11226-11235 11236-11245 11246-11255 11256-11265 11266-11275 11276-11285 11286-11295 11296-11305 11306-11315 11316-11325 11326-11335 11336-11345 11346-11355 11356-11365 11366-11375 11376-11385 11386-11395 11396-11405 11406-11415 11416-11425 11426-11435 11436-11445 11446-11455 11456-11465 11466-11475 11476-11485 11486-11495 11496-11505 11506-11515 11516-11525 11526-11535 11536-11545 11546-11555 11556-11565 11566-11575 11576-11585 11586-11595 11596-11605 11606-11615 11616-11625 11626-11635 11636-11645 11646-11655 11656-11665 11666-11675 11676-11685 11686-11695 11696-11705 11706-11715 11716-11725 11726-11735 11736-11745 11746-11755 11756-11765 11766-11775 11776-11785 11786-11795 11796-11805 11806-11815 11816-11825 11826-11835 11836-11845 11846-11855 11856-11865 11866-11875 11876-11885 11886-11895 11896-11905 1190

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(SLST): 0600-0800

WIND SPEED IN KNOTS

DIRECTION (DEGREES) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56-58 TOTAL MEAN WIND

N 2.5 4.1 2.2 2.5 .5 11.8 7.3

NNE .9 2.5 1.9 .5 5.8 6.0

NE .2 .4 .9 .7 .2 2.5 9.7

ENE 1.1 1.2 .5 .4 3.1 5.7

E .8 1.4 .7 .5 .1 3.5 6.7

ESE .8 .9 .4 2.1 4.3

SE .4 .4 .5 1.2 5.5

SSE .4 .1 .2 .7 10.5

S 1.8 1.4 1.3 .2 .2 .1 5.1 6.4

SSW .9 1.4 1.9 .7 5.0 6.7

SW 1.4 .9 .9 .4 .1 3.8 6.1

WSW 1.4 1.4 .5 .2 3.5 5.0

W 1.4 2.1 2.0 1.5 .2 7.3 7.5

WNW 1.1 2.5 3.5 2.6 .4 .1 10.2 8.6

NW 1.5 2.0 3.9 3.0 .7 11.1 8.9

NNW 1.1 3.4 2.8 3.2 .1 10.6 8.2

VARIABLE

CALM 12.6

TOTALS 17.7 26.1 24.1 16.3 2.4 .6 .1 100.0 6.5

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: FEB HOURS (LST): 0900-1100

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	1.5	2.8	4.3	2.6	.7	.2						12.2	8.7
NNE	1.1	2.6	2.2	.9								6.9	6.9
NE	.4	1.1	1.4	.2	.5							3.5	8.1
ENE	.7	1.3	1.2	.7								3.9	7.2
E	.9	1.9	.8	.1		.4						4.1	6.8
ESE	.5	.8	1.2	.4								2.8	7.0
SE	.5	.7	.6									1.8	5.1
SSE	.4	.2	.2	.1								.9	5.6
S	.5	1.1	1.7	.7			.1					4.0	8.2
SSW	.1	1.1	1.8	1.3	.1							4.4	9.3
SW	.6	.4	1.8	1.3	.2							4.3	9.1
WSW	.7	.5	.9	.8	.1							3.1	8.0
W	.5	2.2	2.5	1.9	.8							7.9	9.7
WNW	.2	.9	2.7	4.5	.5	.1						9.0	11.2
NW	.2	1.3	3.3	6.0	2.7	.5						14.1	12.8
NNW	.7	.9	2.8	6.1	.8	.1						11.6	11.7

VARIABLE	5.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
CALM	9.5	19.9	29.4	27.8	6.5	1.3	.1					100.0	9.0
TOTALS													

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: FEB HOURS(IST): 1500-1700

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63	TOTAL	MEAN WIND SPEED
N	1.2	4.7	4.1	1.4	.4							11.8	7.4
NNE	.5	1.3	.5	.6								2.8	6.3
NE	.5	.6	.4	.4		.1						1.9	7.9
ENE	.2	.7	1.1	.7								2.7	8.4
E	2.0	3.5	1.1	.2								6.9	5.1
ESE	.9	2.4	2.8	.5								6.6	6.7
SE	1.4	1.4	2.0	.5								5.3	6.0
SSE	.2	.6	.2	.1								1.2	5.6
S	.1	.7	.4	.6	.1							1.9	8.9
SSW	.5	1.8	2.1	.2								4.6	10.8
SW	.1	.4	2.7	.7	.1							4.0	9.3
WSW	.2	.7	2.1	.6								3.7	8.2
W	.6	1.7	4.1	2.0	.7	.2						9.3	9.7
WNW	.1	.5	4.0	6.7	1.9	.1	.1					13.5	12.6
NW	.5	.8	3.7	4.3	1.4	.1						10.8	11.5
NNW	.4	1.8	3.0	3.8	1.2	.2						10.3	11.4

VARIABLE

CALM

TOTALS

9.0 22.2 33.9 25.2 6.0 .8 .1 2.1 100.0 9.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 725088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: FEB HOURS(LST): 1800-2000

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	2.6	3.0	2.6	.8	.1	.1	.1					9.3	7.0
NNE	.5	.6	.4	.1								1.5	5.4
NE	.5	.2	1.2	.6								2.5	8.1
ENE	.5	.7	.7	.9								2.8	8.2
E	.7	1.5	.9	.2	.1							3.5	6.4
ESE	1.9	2.4	.2									4.5	4.1
SE	1.5	3.2	.8									5.6	4.7
SSE	2.2	1.8	.5									4.5	3.8
S	1.3	2.2	.8	.5	.2							5.1	6.2
SSW	.5	2.0	1.4	.2								4.1	6.3
SW	1.3	1.5	1.2	.1	.1							4.3	5.9
WSW	1.3	1.4	.2									3.0	3.8
W	1.8	2.4	1.5	.9	.2	.1						7.0	7.0
WNW	.4	2.7	3.8	2.6	.8	.1	.1					10.5	9.9
NW	.5	2.6	3.2	2.8	.6	.1						9.8	9.6
NNW	1.1	3.1	5.2	1.8	.1							11.2	7.9

VARIABLE	10.8	100.0	6.3
CALM	10.8		
TOTALS	18.4	31.3	24.7
	11.7	2.4	.5
	.2		

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: FEB HOURS(LST): 2100-2300

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-62	TOTAL	MEAN WIND SPEED
N	2.0	2.8	2.5	1.1	.1	.1	.1	.1	.1	.1	.1	8.6	7.1
NNE	.6	.5	.8	.6								2.5	7.1
NE	.5	.6	.4	.4								1.8	6.4
ENE	.7	.6	.7	1.2								3.2	7.7
E	1.2	1.3	.6	.6								3.7	6.1
ESE	.9	.9	.6	.6								2.5	4.8
SE	1.2	.9	.5									2.6	4.2
SSE	1.2	2.0	.2									3.4	4.1
S	2.8	3.2	1.4	.7								8.2	5.1
SSW	2.0	2.2	1.2	.1								5.6	5.0
SW	1.7	1.3	.5	.6	.1							4.1	5.9
WSW	.8	1.2	.1									2.1	4.2
W	.8	1.8	1.8	.4	.2	.1						5.1	7.3
WNW	1.3	2.5	3.0	3.8	.4	.5	.1					11.5	9.9
NW	1.1	2.8	2.4	3.9	.4	.4	.1					11.0	10.0
NNW	1.1	4.3	3.5	1.8	.1							10.8	7.6

VARIABLE	13.5	100.0	6.2
CALM	13.5	100.0	6.2
TOTALS	13.5	100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: FEB HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	2.1	3.7	3.2	1.8	.3	.1	.0				11.2	7.4
NNE	.8	1.4	1.1	.5							3.9	6.4
NE	.4	.5	.8	.4	.1	.0					2.3	8.1
ENE	.6	.9	.9	.7	.0						3.1	7.5
E	1.1	1.7	1.0	.3	.0	.1					4.2	6.2
ESE	.9	1.6	.9	.2							3.7	5.7
SE	.8	1.0	.8	.1							2.7	5.4
SSE	.8	.9	.2	.1	.0						2.0	4.8
S	1.4	1.7	1.0	.5	.1	.0	.0				4.8	6.3
SSW	.7	1.5	1.6	.9	.1						4.8	7.6
SW	.9	.9	1.1	.8	.1	.0					3.8	7.6
WSW	.9	1.2	.8	.3	.0						3.2	5.8
W	.0	2.2	2.1	1.5	.5	.1					7.4	8.4
WNW	.7	2.2	3.1	4.3	.8	.2	.0				11.4	10.4
NW	.7	1.9	3.1	4.1	1.3	.4	.0				11.5	11.0
NNW	1.0	2.5	3.3	3.1	.6	.1					10.6	9.5

VARIABLE

CALM	14.7	26.0	25.2	19.6	4.1	.9	.1				9.3	7.4
TOTALS											100.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 6768

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: MAR HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-59	
N	2.7	2.6	1.3	1.3	.2	.3					8.4	6.9
NNE	.6	.9	.3	.4	.1						2.4	6.8
NE	.1	1.6	1.2	.1							3.0	6.5
ENE	.3	.8	.3	.5		.1	.2				2.3	10.8
E	1.3	1.4	.5	.1	.2						3.5	5.2
ESE	.6	1.5	.9								3.0	5.1
SE	.5	.8	.4	.2							1.9	5.6
SSE	.9	1.4	.1								2.4	3.9
S	1.5	2.0	3.1	.6							7.3	6.5
SSW	1.1	2.2	3.1	1.4	.9	.4					9.0	9.1
SW	.2	2.2	2.0	.4	.2						5.1	7.6
WSW	.8	2.0	1.1	.1							4.0	5.6
W	.9	2.4	1.6	.8							5.6	6.4
WNW	.6	2.2	3.4	2.3	.6						9.1	9.1
NW	.3	2.8	2.5	4.1	.9	.3	.1				11.0	10.4
NNW	1.1	4.1	4.3	2.2	.1						11.7	7.5

VARIABLE	////////////////////										10.3	////
CALM	////////////////////										100.0	6.8
TOTALS	13.5	30.6	26.2	14.5	3.2	1.2	.3					

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: MAR HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	2.8	3.7	1.9	1.0	.4	.1					9.9	6.5
NNE	1.0	1.7	1.6	.3							4.6	6.2
NE	.4	1.0	1.1	.1	.1	.1					2.8	7.9
ENE	.1	1.0	.9	.8	.1	.1					2.9	9.7
E	.6	1.0	.8	.3	.3						3.0	7.2
ESE	1.1	.3	.8	.4							2.6	5.8
SE	.3	.8	.4	.2							1.7	6.8
SSE	.6	.9	.2								1.7	4.2
S	1.3	3.4	1.8	.9							7.4	6.2
SSW	.5	2.0	2.2	1.3	.6	.2					6.9	9.2
SW	1.5	1.9	1.8	.8	.1						6.1	6.6
WSW	.4	1.6	.5	.1							2.7	5.4
W	1.4	2.4	1.7	1.1	.1						6.7	6.9
WNW	1.0	2.3	2.8	2.5	.1	.3					8.9	9.0
NW	1.1	2.5	3.2	3.5	.3	.1					10.8	9.2
NNW	1.2	3.7	3.1	2.9	.3						11.2	8.2

VARIABLE	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
CALM	15.4	30.0	24.8	16.0	2.6	.9	.2				100.0	6.8
TOTALS												

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86
 MONTH: MAR HOURS: 0600-0800

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63	TOTAL	MEAN WIND
N	1.4	3.3	1.9	1.9	1.9	.4						9.0	7.8
NNE	1.1	1.4	1.4	.6								4.5	6.6
NE		1.2	1.5	.1	.1	.1						3.0	8.5
ENE	.2	1.2	1.2	1.5	.3		.1					4.5	10.3
E	.8	1.0	.4	.9	.4	.1						3.5	9.3
ESE	.6	.5	.2	.1	.1							1.6	6.0
SE	.5	1.1	.8	.3								2.7	6.9
SSE	1.0	1.1	1.0	.2	.1							3.3	6.1
S	1.2	.9	1.8	.1								4.0	6.1
SSW	1.0	1.1	2.0	1.9	.5	.2						6.8	9.8
SW	.2	1.9	1.8	1.4	.2							5.6	8.6
WSW	1.1	1.5	.5	.6								3.8	6.1
W	1.8	2.6	2.5	1.5	.2	.1						8.7	7.3
WNW	.4	1.6	2.6	1.3	.4							6.3	8.8
NW	.8	2.8	3.2	3.0	1.0	.5	.1					11.4	10.3
NNW	1.3	2.7	3.3	3.3	1.2							11.8	9.4

VARIABLE	9.4	100.0	7.6
CALM			
TOTALS	13.3	25.8	26.2
	18.9	4.9	1.1
	.3		

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724DB8 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 0900-1100

DIRECTION (DEGREES) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56-59 60-63 64-67 68-71 72-75 76-79 80-83 84-87 88-91 92-95 96-99 100-103 104-107 108-111 112-115 116-119 120-123 124-127 128-131 132-135 136-139 140-143 144-147 148-151 152-155 156-159 160-163 164-167 168-171 172-175 176-179 180-183 184-187 188-191 192-195 196-199 200-203 204-207 208-211 212-215 216-219 220-223 224-227 228-231 232-235 236-239 240-243 244-247 248-251 252-255 256-259 260-263 264-267 268-271 272-275 276-279 280-283 284-287 288-291 292-295 296-299 300-303 304-307 308-311 312-315 316-319 320-323 324-327 328-331 332-335 336-339 340-343 344-347 348-351 352-355 356-359 360-363 364-367 368-371 372-375 376-379 380-383 384-387 388-391 392-395 396-399 400-403 404-407 408-411 412-415 416-419 420-423 424-427 428-431 432-435 436-439 440-443 444-447 448-451 452-455 456-459 460-463 464-467 468-471 472-475 476-479 480-483 484-487 488-491 492-495 496-499 500-503 504-507 508-511 512-515 516-519 520-523 524-527 528-531 532-535 536-539 540-543 544-547 548-551 552-555 556-559 560-563 564-567 568-571 572-575 576-579 580-583 584-587 588-591 592-595 596-599 600-603 604-607 608-611 612-615 616-619 620-623 624-627 628-631 632-635 636-639 640-643 644-647 648-651 652-655 656-659 660-663 664-667 668-671 672-675 676-679 680-683 684-687 688-691 692-695 696-699 700-703 704-707 708-711 712-715 716-719 720-723 724-727 728-731 732-735 736-739 740-743 744-747 748-751 752-755 756-759 760-763 764-767 768-771 772-775 776-779 780-783 784-787 788-791 792-795 796-799 800-803 804-807 808-811 812-815 816-819 820-823 824-827 828-831 832-835 836-839 840-843 844-847 848-851 852-855 856-859 860-863 864-867 868-871 872-875 876-879 880-883 884-887 888-891 892-895 896-899 900-903 904-907 908-911 912-915 916-919 920-923 924-927 928-931 932-935 936-939 940-943 944-947 948-951 952-955 956-959 960-963 964-967 968-971 972-975 976-979 980-983 984-987 988-991 992-995 996-999 1000-1003 1004-1007 1008-1011 1012-1015 1016-1019 1020-1023 1024-1027 1028-1031 1032-1035 1036-1039 1040-1043 1044-1047 1048-1051 1052-1055 1056-1059 1060-1063 1064-1067 1068-1071 1072-1075 1076-1079 1080-1083 1084-1087 1088-1091 1092-1095 1096-1099 1100-1103 1104-1107 1108-1111 1112-1115 1116-1119 1120-1123 1124-1127 1128-1131 1132-1135 1136-1139 1140-1143 1144-1147 1148-1151 1152-1155 1156-1159 1160-1163 1164-1167 1168-1171 1172-1175 1176-1179 1180-1183 1184-1187 1188-1191 1192-1195 1196-1199 1200-1203 1204-1207 1208-1211 1212-1215 1216-1219 1220-1223 1224-1227 1228-1231 1232-1235 1236-1239 1240-1243 1244-1247 1248-1251 1252-1255 1256-1259 1260-1263 1264-1267 1268-1271 1272-1275 1276-1279 1280-1283 1284-1287 1288-1291 1292-1295 1296-1299 1300-1303 1304-1307 1308-1311 1312-1315 1316-1319 1320-1323 1324-1327 1328-1331 1332-1335 1336-1339 1340-1343 1344-1347 1348-1351 1352-1355 1356-1359 1360-1363 1364-1367 1368-1371 1372-1375 1376-1379 1380-1383 1384-1387 1388-1391 1392-1395 1396-1399 1400-1403 1404-1407 1408-1411 1412-1415 1416-1419 1420-1423 1424-1427 1428-1431 1432-1435 1436-1439 1440-1443 1444-1447 1448-1451 1452-1455 1456-1459 1460-1463 1464-1467 1468-1471 1472-1475 1476-1479 1480-1483 1484-1487 1488-1491 1492-1495 1496-1499 1500-1503 1504-1507 1508-1511 1512-1515 1516-1519 1520-1523 1524-1527 1528-1531 1532-1535 1536-1539 1540-1543 1544-1547 1548-1551 1552-1555 1556-1559 1560-1563 1564-1567 1568-1571 1572-1575 1576-1579 1580-1583 1584-1587 1588-1591 1592-1595 1596-1599 1600-1603 1604-1607 1608-1611 1612-1615 1616-1619 1620-1623 1624-1627 1628-1631 1632-1635 1636-1639 1640-1643 1644-1647 1648-1651 1652-1655 1656-1659 1660-1663 1664-1667 1668-1671 1672-1675 1676-1679 1680-1683 1684-1687 1688-1691 1692-1695 1696-1699 1700-1703 1704-1707 1708-1711 1712-1715 1716-1719 1720-1723 1724-1727 1728-1731 1732-1735 1736-1739 1740-1743 1744-1747 1748-1751 1752-1755 1756-1759 1760-1763 1764-1767 1768-1771 1772-1775 1776-1779 1780-1783 1784-1787 1788-1791 1792-1795 1796-1799 1800-1803 1804-1807 1808-1811 1812-1815 1816-1819 1820-1823 1824-1827 1828-1831 1832-1835 1836-1839 1840-1843 1844-1847 1848-1851 1852-1855 1856-1859 1860-1863 1864-1867 1868-1871 1872-1875 1876-1879 1880-1883 1884-1887 1888-1891 1892-1895 1896-1899 1900-1903 1904-1907 1908-1911 1912-1915 1916-1919 1920-1923 1924-1927 1928-1931 1932-1935 1936-1939 1940-1943 1944-1947 1948-1951 1952-1955 1956-1959 1960-1963 1964-1967 1968-1971 1972-1975 1976-1979 1980-1983 1984-1987 1988-1991 1992-1995 1996-1999 2000-2003 2004-2007 2008-2011 2012-2015 2016-2019 2020-2023 2024-2027 2028-2031 2032-2035 2036-2039 2040-2043 2044-2047 2048-2051 2052-2055 2056-2059 2060-2063 2064-2067 2068-2071 2072-2075 2076-2079 2080-2083 2084-2087 2088-2091 2092-2095 2096-2099 2100-2103 2104-2107 2108-2111 2112-2115 2116-2119 2120-2123 2124-2127 2128-2131 2132-2135 2136-2139 2140-2143 2144-2147 2148-2151 2152-2155 2156-2159 2160-2163 2164-2167 2168-2171 2172-2175 2176-2179 2180-2183 2184-2187 2188-2191 2192-2195 2196-2199 2200-2203 2204-2207 2208-2211 2212-2215 2216-2219 2220-2223 2224-2227 2228-2231 2232-2235 2236-2239 2240-2243 2244-2247 2248-2251 2252-2255 2256-2259 2260-2263 2264-2267 2268-2271 2272-2275 2276-2279 2280-2283 2284-2287 2288-2291 2292-2295 2296-2299 2300-2303 2304-2307 2308-2311 2312-2315 2316-2319 2320-2323 2324-2327 2328-2331 2332-2335 2336-2339 2340-2343 2344-2347 2348-2351 2352-2355 2356-2359 2360-2363 2364-2367 2368-2371 2372-2375 2376-2379 2380-2383 2384-2387 2388-2391 2392-2395 2396-2399 2400-2403 2404-2407 2408-2411 2412-2415 2416-2419 2420-2423 2424-2427 2428-2431 2432-2435 2436-2439 2440-2443 2444-2447 2448-2451 2452-2455 2456-2459 2460-2463 2464-2467 2468-2471 2472-2475 2476-2479 2480-2483 2484-2487 2488-2491 2492-2495 2496-2499 2500-2503 2504-2507 2508-2511 2512-2515 2516-2519 2520-2523 2524-2527 2528-2531 2532-2535 2536-2539 2540-2543 2544-2547 2548-2551 2552-2555 2556-2559 2560-2563 2564-2567 2568-2571 2572-2575 2576-2579 2580-2583 2584-2587 2588-2591 2592-2595 2596-2599 2600-2603 2604-2607 2608-2611 2612-2615 2616-2619 2620-2623 2624-2627 2628-2631 2632-2635 2636-2639 2640-2643 2644-2647 2648-2651 2652-2655 2656-2659 2660-2663 2664-2667 2668-2671 2672-2675 2676-2679 2680-2683 2684-2687 2688-2691 2692-2695 2696-2699 2700-2703 2704-2707 2708-2711 2712-2715 2716-2719 2720-2723 2724-2727 2728-2731 2732-2735 2736-2739 2740-2743 2744-2747 2748-2751 2752-2755 2756-2759 2760-2763 2764-2767 2768-2771 2772-2775 2776-2779 2780-2783 2784-2787 2788-2791 2792-2795 2796-2799 2800-2803 2804-2807 2808-2811 2812-2815 2816-2819 2820-2823 2824-2827 2828-2831 2832-2835 2836-2839 2840-2843 2844-2847 2848-2851 2852-2855 2856-2859 2860-2863 2864-2867 2868-2871 2872-2875 2876-2879 2880-2883 2884-2887 2888-2891 2892-2895 2896-2899 2900-2903 2904-2907 2908-2911 2912-2915 2916-2919 2920-2923 2924-2927 2928-2931 2932-2935 2936-2939 2940-2943 2944-2947 2948-2951 2952-2955 2956-2959 2960-2963 2964-2967 2968-2971 2972-2975 2976-2979 2980-2983 2984-2987 2988-2991 2992-2995 2996-2999 3000-3003 3004-3007 3008-3011 3012-3015 3016-3019 3020-3023 3024-3027 3028-3031 3032-3035 3036-3039 3040-3043 3044-3047 3048-3051 3052-3055 3056-3059 3060-3063 3064-3067 3068-3071 3072-3075 3076-3079 3080-3083 3084-3087 3088-3091 3092-3095 3096-3099 3100-3103 3104-3107 3108-3111 3112-3115 3116-3119 3120-3123 3124-3127 3128-3131 3132-3135 3136-3139 3140-3143 3144-3147 3148-3151 3152-3155 3156-3159 3160-3163 3164-3167 3168-3171 3172-3175 3176-3179 3180-3183 3184-3187 3188-3191 3192-3195 3196-3199 3200-3203 3204-3207 3208-3211 3212-3215 3216-3219 3220-3223 3224-3227 3228-3231 3232-3235 3236-3239 3240-3243 3244-3247 3248-3251 3252-3255 3256-3259 3260-3263 3264-3267 3268-3271 3272-3275 3276-3279 3280-3283 3284-3287 3288-3291 3292-3295 3296-3299 3300-3303 3304-3307 3308-3311 3312-3315 3316-3319 3320-3323 3324-3327 3328-3331 3332-3335 3336-3339 3340-3343 3344-3347 3348-3351 3352-3355 3356-3359 3360-3363 3364-3367 3368-3371 3372-3375 3376-3379 3380-3383 3384-3387 3388-3391 3392-3395 3396-3399 3400-3403 3404-3407 3408-3411 3412-3415 3416-3419 3420-3423 3424-3427 3428-3431 3432-3435 3436-3439 3440-3443 3444-3447 3448-3451 3452-3455 3456-3459 3460-3463 3464-3467 3468-3471 3472-3475 3476-3479 3480-3483 3484-3487 3488-3491 3492-3495 3496-3499 3500-3503 3504-3507 3508-3511 3512-3515 3516-3519 3520-3523 3524-3527 3528-3531 3532-3535 3536-3539 3540-3543 3544-3547 3548-3551 3552-3555 3556-3559 3560-3563 3564-3567 3568-3571 3572-3575 3576-3579 3580-3583 3584-3587 3588-3591 3592-3595 3596-3599 3600-3603 3604-3607 3608-3611 3612-3615 3616-3619 3620-3623 3624-3627 3628-3631 3632-3635 3636-3639 3640-3643 3644-3647 3648-3651 3652-3655 3656-3659 3660-3663 3664-3667 3668-3671 3672-3675 3676-3679 3680-3683 3684-3687 3688-3691 3692-3695 3696-3699 3700-3703 3704-3707 3708-3711 3712-3715 3716-3719 3720-3723 3724-3727 3728-3731 3732-3735 3736-3739 3740-3743 3744-3747 3748-3751 3752-3755 3756-3759 3760-3763 3764-3767 3768-3771 3772-3775 3776-3779 3780-3783 3784-3787 3788-3791 3792-3795 3796-3799 3800-3803 3804-3807 3808-3811 3812-3815 3816-3819 3820-3823 3824-3827 3828-3831 3832-3835 3836-3839 3840-3843 3844-3847 3848-3851 3852-3855 3856-3859 3860-3863 3864-3867 3868-3871 3872-3875 3876-3879 3880-3883 3884-3887 3888-3891 3892-3895 3896-3899 3900-3903 3904-3907 3908-3911 3912-3915 3916-3919 3920-3923 3924-3927 3928-3931 3932-3935 3936-3939 3940-3943 3944-3947 3948-3951 3952-3955 3956-3959 3960-3963 3964-3967 3968-3971 3972-3975 3976-3979 3980-3983 3984-3987 3988-3991 3992-3995 3996-3999 4000-4003 4004-4007 4008-4011 4012-4015 4016-4019 4020-4023 4024-4027 4028-4031 4032-4035 4036-4039 4040-4043 4044-4047 4048-4051 4052-4055 4056-4059 4060-4063 4064-4067 4068-4071 4072-4075 4076-4079 4080-4083 4084-4087 4088-4091 4092-4095 4096-4099 4100-4103 4104-4107 4108-4111 4112-4115 4116-4119 4120-4123 4124-4127 4128-4131 4132-4135 4136-4139 4140-4143 4144-4147 4148-4151 4152-4155 4156-4159 4160-4163 4164-4167 4168-4171 4172-4175 4176-4179 4180-4183 4184-4187 4188-4191 4192-4195 4196-4199 4200-4203 4204-4207 4208-4211 4212-4215 4216-4219 4220-4223 4224-4227 4228-4231 4232-4235 4236-4239 4240-4243 4244-4247 4248-4251 4252-4255 4256-4259 4260-4263 4264-4267 4268-4271 4272-4275 4276-4279 4280-4283 4284-4287 4288-4291 4292-4295 4296-4299 4300-4303 4304-4307 4308-4311 4312-4315 4316-4319 4320-4323 4324-4327 4328-4331 4332-4335 4336-4339 4340-4343 4344-4347 4348-4351 4352-4355 4356-4359 4360-4363 4364-4367 4368-4371 4372-4375 4376-4379 4380-4383 4384-4387 4388-4391 4392-4395 4396-4399 4400-4403 4404-4407 4408-4411 4412-4415 4416-4419 4420-4423 4424-4427 4428-4431 4432-4435 4436-4439 4440-4443 4444-4447 4448-4451 4452-4455 4456-4459 4460-4463 4464-4467 4468-4471 4472-4475 4476-4479 4480-4483 4484-4487 4488-4491 4492-4495 4496-4499 4500-4503 4504-4507 4508-4511 4512-4515 4516-4519 4520-4523 4524-4527 4528-4531 4532-4535 4536-4539 4540-4543 4544-4547 4548-4551 4552-4555 4556-4559 4560-4563 4564-4567 4568-4571 4572-4575 4576-4579 4580-4583 4584-4587 4588-4591 4592-4595 4596-4599 4600-4603 4604-4607 4608-4611 4612-4615 4616-4619 4620-4623 4624-4627 4628-4631 4632-4635 4636-4639 4640-4643 4644-4647 4648-4651 4652-4655 4656-4659 4660-4663 4664-4667 4668-4671 4672-4675 4676-4679 4680-4683 4684-4687 4688-4691 4692-4695 4696-4699 4700-4703 4704-4707 4708-4711 4712-4715 4716-4719 4720-4723 4724-4727 4728-4731 4732-4735 4736-4739 4740-4743 4744-4747 4748-4751 4752-4755 4756-4759 4760-4763 4764-4767 4768-4771 4772-4775 4776-4779 4780-4783 4784-4787 4788-4791 4792-4795 4796-4799 4800-4803 4804-4807 4808-4811 4812-4815 4816-4819 4820-4823 4824-4827 4828-4831 4832-4835 4836-4839 4840-4843 4844-4847 4848-4851 4852-4855 4856-4859 4860-4863 4864-4867 4868-4871 4872-4875 4876-4879 4880-4883 4884-4887 4888-4891 4892-4895 4896-4899 4900-4903 4904-4907 4908-4911 4912-4915 4916-4919 4920-4923 4924-4927 4928-4931 4932-4935 4936-4939 4940-4943 4944-4947 4948-4951 4952-4955 4956-4959 4960-4963 4964-4967 4968-4971 4972-4975 4976-4979 4980-4983 4984-4987 4988-4991 4992-4995 4996-4999 5000-5003 5004-5007 5008-5011 5012-5015 5016-5019 5020-5023 5024-5027 5028-5031 5032-5035 5036-5039 5040-5043 5044-5047 5048-5051 5052-5055 5056-5059 5060-5063 5064-5067 5068-5071 5072-5075 5076-5079 5080-5083 5084-5087 5088-5091 5092-5095 5096-5099 5

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: MAR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.4	2.2	3.7	2.8	.8	.1					9.9	9.8
NNE	.3	.5	.8	1.5	.2						3.3	9.7
NE		.4	.9	.3	.1						1.7	9.3
ENE	.2	.6	.6	.8	.6	.1					3.0	11.3
E	1.5	2.0	1.9	1.0							6.5	6.9
ESE	.6	1.7	2.7	.5							5.6	7.1
SE	.5	2.0	2.3	1.0							5.8	7.6
SSE		.8	.4	.3							1.5	7.4
S	.2	.4	.3	1.4	.8						3.1	12.7
SSW	.1	.9	1.7	1.3	.6	.3					4.9	11.6
SW	.1	.6	1.1	1.7	.5	.5					4.6	12.6
WSW	.5	.8	1.1	2.9	.8	.1					6.1	11.7
W	.8	1.7	1.8	3.7	.5	.3					8.8	10.6
WNW	.3	1.4	3.4	4.6	2.2	.4	.1				12.5	12.6
NW	.3	1.1	3.1	5.3	2.0	1.3	.1				13.2	13.5
NNW	.5	.4	2.8	3.2	1.3	.4					8.7	12.4

VARIABLE

//////////////////// .6

CALM

6.6 17.6 28.6 32.3 10.4 3.7 .2 100.0 10.8

TOTALS

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(IST): 1500-1700

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.4	2.0	3.5	2.8	.6	.1						9.6	9.8
NNE	.1	1.0	1.5	.8								3.3	8.2
NE		.5	.8	.2								1.5	7.6
ENE	.5	.5	.4	.5	.4	.2						2.7	10.4
E	.1	1.7	1.1	.8	.2							3.9	8.4
ESE	.4	2.7	2.7	.5								6.3	7.1
SE	.8	2.9	4.2	1.3	.2							9.4	8.0
SSE	.3	.4	.8	.1								1.6	7.1
S	.1	.2	1.1	1.4	.3	.1						3.2	12.2
SSW		.4	1.9	2.5	.6	.3						5.8	12.6
SW		1.0	1.6	1.9	.3		.1					4.9	10.9
WSW	.1	.4	2.3	1.0	.2							4.0	9.8
W	.3	1.2	3.4	4.4	.2	.1	.2					9.9	11.1
WNW	.4	.8	4.7	3.9	1.2	.3	.1					11.4	11.5
NW		1.0	3.1	5.6	2.6	.4	.2					12.9	13.4
NNW	.2	.4	2.9	3.0	1.5	.1	.1					8.3	12.5

VARIABLE

CALM	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
TOTALS	3.9	17.2	36.0	30.6	8.5	1.7	.8					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 1800-2000

DIRECTION (DEGREES) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56-60 TOTAL MEAN WIND

N 1.3 2.4 2.9 2.0 .5 9.1 8.3

NNE .6 1.1 .9 .5 . 3.1 7.0

NE .1 .4 .2 .1 .1 1.0 8.0

ENE .1 .5 .3 .5 .4 1.9 12.0

E .8 1.3 1.0 .5 .1 3.7 7.1

ESE 1.8 1.9 1.1 4.0 4.7

SE 1.5 3.5 2.8 .6 8.5 6.1

SSE 2.0 3.4 1.0 .2 6.7 4.9

S 1.4 2.5 1.2 .9 .3 6.2 6.7

SSW .5 2.0 2.8 1.1 .6 7.1 8.6

SW .4 1.2 1.4 .5 .1 3.7 8.0

WSW 1.3 1.0 .6 .2 3.1 4.9

W 1.1 1.5 1.9 .6 .4 .1 6.0 9.1

WNW .5 2.0 3.1 2.3 .3 .5 .1 8.9 10.2

NW .1 2.9 3.8 2.2 .2 9.1 9.1

NNW 1.3 2.8 4.1 3.4 1.1 12.7 9.4

VARIABLE

CALM 4.3

TOTALS 14.9 30.5 29.0 15.8 3.9 1.3 .2 100.0 7.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

STATION NUMBER: 724008 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: APR HOURS(IST): 0300-0500

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	WIND SPEED
N	2.6	2.8	1.8	.6								7.7	5.4
NNE	.9	1.8	.7	.3								3.7	5.3
NE	.2	1.2	.9	.2	.1							2.7	6.9
ENE	.6	1.1	1.3	.8								3.8	7.6
E	1.3	1.6	1.6	.9	.4							5.8	7.6
ESE	1.0	.9	.4	.3								2.7	5.6
SE	1.0	.3	.6									1.9	4.1
SSE	.6	1.6	.7	.2								3.0	5.5
S	2.2	1.8	1.1	.2	.1							5.4	5.4
SSW	2.3	2.0	2.4	2.0	.2							9.0	7.2
SW	2.7	1.4	.9	.2	.1							5.3	4.9
WSW	1.7	3.0	.6	.4	.1							5.8	5.3
W	1.3	4.6	2.6	.3	.2							9.0	6.1
WNW	.6	2.9	1.9	1.1								6.4	7.0
NW	.4	2.2	2.3	.9	.3	.1	.1					6.4	8.8
NNW	1.3	1.8	2.4	.7								6.2	6.6

VARIABLE

15.2

100.0

5.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/NAZ

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(S): 0600-0800

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	1.8	2.2	2.9	1.3								6.2	7.0
NNE	1.3	1.1	1.6	.3	.1							4.4	6.2
NE	.6	1.0	1.2	.3								3.1	6.8
ENE	.1	1.1	1.4	.7	.1							3.4	8.8
E	.6	2.2	1.6	1.8	.1							6.2	8.3
ESE	.6	1.2	.3	.6								2.7	6.7
SE	.6	1.1	.7									2.3	5.2
SSE	1.0	1.7	.4									3.1	4.4
S	1.0	1.7	1.7	.3	.1							4.8	6.6
SSW	1.2	1.7	2.0	1.9	.1	.2						7.1	8.7
SW	1.1	2.0	1.6	1.1								5.8	7.4
WSW	1.0	2.7	1.4	1.2								6.3	6.6
W	1.3	2.7	2.9	1.3								8.2	7.0
WNW	.6	2.0	4.1	1.4	.1	.1						8.3	8.5
NW	.7	2.2	2.6	1.9	.4							7.8	8.9
NNW	1.3	1.4	3.3	1.7								7.8	7.7

VARIABLE	14.7	28.0	29.7	15.9	1.0	.4	10.3	100.0	8.7
CALM									
TOTALS									

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: APR HOURS(IST): 0900-1100

WIND SPEED IN KNOTS

DIRECTION 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56-63 TOTAL MEAN WIND

(DEGREES) 1.3 2.9 3.4 3.0 3.0 .2 10.9 8.3

N .4 .9 .8 .4 .1 .1 2.7 7.5

NNE .2 1.1 1.0 .2 .1 .1 2.7 7.2

NE .4 .9 2.1 .6 .1 .1 4.1 8.1

ENE .4 1.9 2.7 2.1 .1 .1 7.2 8.9

E .6 2.3 1.3 .7 .1 .1 5.0 7.1

ESE 1.3 1.6 2.1 .4 .4 5.4 6.2

SE .8 .4 1.0 .1 .1 2.3 6.1

SSE .2 1.2 1.4 .4 .1 .1 3.4 7.9

S .3 .6 1.9 3.0 .9 .1 6.8 12.0

SSW .2 .7 1.0 1.7 .3 .2 4.1 11.4

SW .9 1.1 1.4 1.0 1.0 4.4 7.5

WSW .3 2.8 3.9 3.4 1.0 11.4 9.8

W .8 1.4 3.0 3.7 1.0 9.9 10.4

WNW .3 1.1 2.9 2.9 1.3 .3 8.9 11.7

NW .6 1.8 3.4 3.2 .4 9.4 9.9

NNW

VARIABLE

CALM

TOTALS 9.2 22.7 33.4 26.9 5.9 .7 100.0 9.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/NAIC

STATION NUMBER: 720088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-58	TOTAL	MEAN &	WIND
N	.2	.9	2.4	2.0	.1							5.7	9.5	
NNE	.3	.6	.9	.7	.1							2.6	8.8	
NE	.1	.6	1.4	.1								2.2	7.5	
ENE	.7	1.4	1.0	.3	.1							3.6	7.2	
E	.4	2.4	1.8	1.2	.2							6.1	7.8	
ESE	.8	3.3	3.8	1.3	.1							9.3	7.8	
SE	.9	1.9	3.1	1.1								7.0	7.5	
SSE	.2	.7	1.1	.4	.2							2.7	8.9	
S	.7	.8	.9	.6								2.9	11.4	
SSW	.2	.3	1.4	2.3	1.4							5.8	13.0	
SW	.3	.4	.9	3.2	.8	.3						6.0	12.9	
WSW	.1	.7	1.1	1.2	.3	.2						3.7	11.4	
W	.9	1.8	4.0	4.2	.3							11.2	9.5	
WNW	.4	1.9	3.4	5.4	.3	.7						12.2	11.1	
NW	.4	1.1	3.2	3.3	1.1	.1						9.3	11.3	
NNW	.3	1.2	2.4	3.6	.8	.1						8.4	10.9	

VARIABLE

CALM	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
TOTALS	6.4	19.9	32.9	31.4	6.6	1.4						100.0	9.8	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.3	1.0	2.6	1.3	.1	.1						5.4	9.3
NNE	.6	.7	.7	.1								2.0	5.8
NE	.3	.4	1.1	.1	.1							2.1	7.3
ENE	.2	.6	.7	.4	.1							2.0	9.1
E	.4	2.1	1.4	1.2								5.2	7.7
ESE	.9	3.9	3.3	1.2								9.3	6.7
SE	.8	4.0	5.9	1.0	.1							11.8	7.5
SSE	.2	.8	1.0	.6								2.6	7.6
S	.3	.2	.7	1.0	.4							2.7	11.3
SSW	.2	.6	1.6	3.3	1.0							6.7	12.2
SW	.3	.8	2.4	.2	.2							4.0	12.9
WSW	.3	1.3	1.7	1.3	.1	.2						5.0	9.3
W	.3	1.6	3.8	2.4	.6	.1						8.8	9.8
WNW	.1	1.4	5.4	4.7	.6	.3						12.6	11.1
NW	.1	1.7	2.6	4.8	.9	.2						10.2	11.5
NNW	.2	.9	1.9	4.3	.9							8.2	11.6

.....	VARIABLE
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TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(IST): 1800-2000

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN &	WIND
N	1.1	1.8	2.2	.9	.1							6.1	7.1	
NNE	.6	.4	.7									1.7	5.7	
NE	.6	.6	.2	.8								2.1	7.8	
ENE	.3	.3	.8	.1								1.6	6.8	
E	1.2	2.0	1.0	.9	.2							5.3	6.8	
ESE	1.2	2.2	.8	.8								5.0	5.8	
SE	2.1	6.2	3.0	.2								11.6	5.4	
SSE	1.6	3.4	1.6	.3								6.9	5.5	
S	2.0	2.7	2.0	1.6								8.2	6.7	
SSW	.4	1.3	2.2	1.4	.2							5.7	8.6	
SW	1.1	1.9	.9	1.1								5.0	6.8	
WSW	.6	1.1	.9	.3								2.9	6.5	
W	1.4	3.4	1.9	1.6	.1							8.4	7.1	
WNW	.7	3.0	3.2	2.2	.4	.1						9.7	8.7	
NW	1.2	1.7	1.6	1.7	.8							6.9	8.8	
NNW	.9	2.6	3.0	1.3	.2	.1						8.1	8.0	

VARIABLE

CALM	17.0	34.7	25.9	15.1	2.2	.2						4.9	100.0	6.7
TOTALS														

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 2100-2300

WIND SPEED IN KNOTS									
DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47
N	1.0	2.2	2.1	.8					
NNE	.6	.8	.1	.2					
NE	.4	.2	.3	.6					
ENE	.4	.7	1.0	.3					
E	1.8	1.8	.9	.9	.1				
ESE	1.9	1.9	.7	.3	.1				
SE	1.4	2.6	1.1	.1					
SSE	1.8	2.2	.8	.2					
S	4.3	4.4	1.7	1.3	.4				
SSW	2.0	3.0	2.6	1.2					
SW	1.6	2.0	.8	.6					
WSW	1.3	2.1	.9	.3	.1				
W	.4	3.7	2.1	.7	.2				
WNW	1.4	2.1	1.7	1.6	.3	.1			
NW	.6	1.7	1.9	1.9	.2				
NNW	.9	2.6	3.0	.8	.1				
TOTALS	22.2	33.9	21.6	11.8	1.7	.1			

VARIABLE	6.8	100.0	5.9
WIND	6.8	100.0	5.9
TOTALS	22.2	33.9	21.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(IST): ALL

DIRECTION (DEGREES) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56 TOTAL MEAN WIND

N 1.3 2.2 2.4 1.4 .1 .0 .0 .0 .0 .0 .0 7.4 7.4

NNE .7 1.0 .8 .3 .0 .0 .0 .0 .0 .0 .0 2.7 6.3

NE .3 .7 .9 .3 .0 .0 .0 .0 .0 .0 .0 2.3 7.2

ENE .5 .9 1.1 .4 .1 .1 .1 .1 .1 .1 .1 3.0 7.6

E .9 1.9 1.6 1.2 .2 .2 .2 .2 .2 .2 .2 5.8 7.7

ESE 1.0 2.2 1.4 .7 .1 .1 .1 .1 .1 .1 .1 5.3 6.5

SE 1.2 2.5 2.1 .4 .0 .0 .0 .0 .0 .0 .0 6.2 6.2

SSE .9 1.5 .9 .2 .0 .0 .0 .0 .0 .0 .0 3.5 5.7

S 1.6 2.1 1.3 .8 .2 .1 .1 .1 .1 .1 .1 6.1 6.7

SSW 1.3 1.6 2.1 2.1 .5 .0 .0 .0 .0 .0 .0 7.6 8.9

SW 1.1 1.5 .9 1.4 .2 .1 .1 .1 .1 .1 .1 5.1 8.3

WSW .9 1.8 1.1 .8 .1 .1 .1 .1 .1 .1 .1 4.7 7.0

W .9 2.9 3.0 1.9 .3 .0 .0 .0 .0 .0 .0 9.0 8.1

WNW .7 2.1 3.1 2.7 .4 .2 .2 .2 .2 .2 .2 9.1 9.4

NW .6 1.7 2.3 2.3 .7 .1 .1 .1 .1 .1 .1 7.7 10.0

NNW .8 1.8 2.7 2.1 .3 .0 .0 .0 .0 .0 .0 7.8 8.8

VARIABLE

CALM

TOTALS 14.6 28.4 27.5 19.0 3.2 .6 .0 100.0 7.4

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(LST): 0000-0200

WIND SPEED IN KNOTS

1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56 TOTAL MEAN WIND

DIRECTION (DEGREES)

N 2.2 1.7 1.9 .8

NNE .8 .9 1.2 .2

NE .8 1.2 .3

ENE .4 1.5 .9 .5 .1

E .8 1.2 .9 .5

ESE 1.3 1.0

SE 2.4 2.2

SSE 1.0 .5 .5

S 4.4 4.6 1.7 1.2

SSW 2.3 3.3 3.9 1.4

SW 3.5 4.6 2.4 .4

WSW 1.7 3.0 1.1 .1

W 1.4 3.9 1.3 .1

WNW .9 1.6 .1 .1

NW .5 2.5 1.7 .6

NNW 1.0 1.4 1.0 .1

14.7

100.0

930

25.2 35.1 18.8 6.1 .1

14.7

100.0

930

25.2 35.1 18.8 6.1 .1

14.7

100.0

930

25.2 35.1 18.8 6.1 .1

14.7

100.0

930

25.2 35.1 18.8 6.1 .1

14.7

100.0

930

25.2 35.1 18.8 6.1 .1

14.7

100.0

930

25.2 35.1 18.8 6.1 .1

14.7

100.0

930

25.2 35.1 18.8 6.1 .1

14.7

100.0

930

25.2 35.1 18.8 6.1 .1

14.7

100.0

930

25.2 35.1 18.8 6.1 .1

14.7

100.0

930

25.2 35.1 18.8 6.1 .1

14.7

100.0

930

25.2 35.1 18.8 6.1 .1

14.7

100.0

930

25.2 35.1 18.8 6.1 .1

14.7

100.0

930

25.2 35.1 18.8 6.1 .1

14.7

100.0

930

25.2 35.1 18.8 6.1 .1

14.7

100.0

930

25.2 35.1 18.8 6.1 .1

14.7

100.0

930

25.2 35.1 18.8 6.1 .1

14.7

100.0

930

25.2 35.1 18.8 6.1 .1

14.7

100.0

930

25.2 35.1 18.8 6.1 .1

14.7

100.0

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25.2 35.1 18.8 6.1 .1

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GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(LST): 0300-0500

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	3.9	2.6	1.2	.6								8.3	4.7
NNE	1.0	1.1	1.0	.2								3.2	5.3
NE	.4	1.7	1.6	.3								4.1	6.9
ENE	.6	.9	.6	.2								2.4	5.7
E	.6	1.2	.8	.1								2.7	5.6
ESE	.5	.2										.8	3.0
SE	.6	1.9	.3									2.9	4.3
SSE	.6	.5	.1	.1								1.4	4.5
S	3.0	2.9	1.6	.6								8.2	5.2
SSW	4.0	3.3	3.2	1.3								11.8	5.8
SW	1.5	1.9	1.8	.2								5.5	6.1
WSW	3.0	2.8	.5	.1								6.5	3.9
W	3.0	2.8	1.4	.1								7.3	4.5
NNW	1.3	1.7	.9	.2								4.1	5.2
NW	.6	2.8	1.7	.6								5.8	6.5
NNW	1.6	2.4	1.1	.2								5.3	4.9

VARIABLE	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
CALM	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
TOTALS	26.5	30.8	17.8	5.1								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	2.0	3.7	2.5	1.3							9.5	6.4
NNE	.6	1.8	1.9	.5	.1						5.1	7.1
NE	.4	1.4	1.5	.4							3.8	7.0
ENE	.6	1.6	1.1	.3							3.7	6.5
E	.4	1.5	1.1	.1							3.1	6.3
ESE	.8	.8	.3								1.8	4.2
SE	.8	1.3	.8	.1							2.9	5.3
SSE	1.2	.9	.5								2.6	4.4
S	1.4	2.7	2.0	.6							7.2	5.9
SSW	1.6	2.3	2.7	2.6							9.1	7.8
SW	1.6	2.0	2.3	1.1	.1						7.1	6.8
WSW	1.0	2.5	1.2	.1							4.7	5.5
W	1.7	4.5	2.4	.1							8.7	5.3
WNW	1.0	2.0	1.8	.6	.1						5.6	6.8
NW	1.0	2.2	1.9	1.5	.1						6.7	7.8
NNW	1.1	2.9	2.4	1.0	.1						7.4	6.8

VARIABLE

CALM 11.1

TOTALS 17.6 34.0 26.3 10.4 .5 100.0 5.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 0900-1100

WIND SPEED IN KNOTS

DIRECTION (DEGREES) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56-58 TOTAL MEAN WIND

N	.6	3.3	4.9	2.0	.3						11.3	8.4
NNE	.4	1.1	1.5	.3							3.3	7.0
NE	.6	.9	1.1	.2							2.8	6.1
ENE	.8	1.4	2.4	.5							5.1	7.3
E	1.8	4.4	1.4	.4							8.1	5.5
ESE	1.4	2.4	1.3	.2							5.3	5.5
SE	.8	1.8	1.6	.2							4.4	6.1
SSE	.6	.6	.8								2.0	5.2
S	.8	1.3	1.4	1.2							4.6	7.5
SSW	.4	1.0	2.2	3.2	.6	.1					7.5	10.8
SW	.8	1.7	2.9	2.4	.2						8.0	8.8
WSW	.4	1.8	2.2	.4							4.8	6.8
W	.8	2.8	4.0	1.3							8.8	7.5
WNW	.9	1.3	3.0	1.5	.2	.1					7.0	6.5
NW	.5	2.0	2.5	1.1	.4	.4					7.0	9.4
NNW	.6	2.7	2.2	1.4	.2						7.1	7.9

VARIABLE

CALM	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	2.9	////////
TOTALS	12.3	30.5	35.2	16.5	2.0	.6					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(LST): 1200-1400

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-59	TOTAL	MEAN WIND SPEED
N	.9	2.3	3.7	1.3	.3							8.4	8.0
NNE	.2	.2	1.3	.2								1.9	7.9
NE	.2	1.6	.8	.2								2.8	6.2
ENE	.5	1.1	.6	.1								2.4	6.0
E	1.0	3.5	2.9	.8								8.2	6.7
ESE	1.4	3.8	5.8	.6	.1							11.7	6.9
SE	.9	1.9	5.1	.8								8.6	7.6
SSE	.3	.6	.6	.3								1.9	7.3
S	.5	.4	.6	1.1	.1	.1						2.9	9.2
SSW	.4	.5	2.5	3.0	1.1	.1						7.6	11.7
SW	.3	1.5	2.3	2.7	.1							6.9	9.4
WSW	.3	1.5	2.9	1.2	.1							6.0	8.3
W	.6	2.6	3.3	2.3		.1						8.9	8.2
WNW	.2	1.5	3.0	2.5	.2							7.4	9.5
NW		1.7	2.6	2.0	.5		.1					7.0	10.1
NNW	.3	1.5	2.7	1.1	.1	.2						5.9	9.1

VARIABLE

CALM	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
TOTALS	8.2	26.3	40.6	20.1	2.7	.5	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE													PERIOD OF RECORD: 77-86	
													MONTH: MAY HOURS(LST): 1500-1700	
													WIND SPEED IN KNOTS	
DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-58	TOTAL	MEAN	
N	1.0	1.1	2.5	1.1	.1							5.7	7.8	
NNE	.4	.6	.9	.2	.1							2.3	7.6	
NE	.3	.6	.6	.2								1.8	6.4	
ENE		.9	.6	.2	.1							1.8	7.5	
E	1.3	1.2	1.5	.6								4.6	6.5	
ESE	1.5	5.6	4.1	1.1								12.3	6.6	
SE	1.2	5.1	6.8	.9								13.9	6.8	
SSE	1.0	.9	1.3	.8								3.9	7.0	
S	.3	.2	.5	1.1	.3							2.5	10.8	
SSW		.4	2.3	3.1	.5							6.3	12.1	
SW	.4	1.1	3.3	2.4								7.2	9.1	
WSW	.5	2.2	2.6	2.2	.1							7.5	8.3	
W	.5	2.8	3.8	1.0								8.1	7.6	
WNW	.3	2.4	2.3	1.8								6.8	8.3	
NW	.5	1.6	2.2	2.3	.3							6.9	9.4	
NNW	.2	1.7	2.8	1.7	.2	.1	.1					6.9	9.6	

VARIABLE													
CALM	////////////////////												1.6
TOTALS	9.6	28.3	38.0	20.5	1.8	.1	.1					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 1800-2000

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	1.0	2.2	1.7	.8								5.6	6.6
NNE	.6	.5	.1									1.3	3.8
NE	.5	.4	.9									1.8	5.8
ENE		.6	.4	.6		.1						1.8	9.5
E	.5	1.2	1.8	.4								4.0	7.0
ESE	2.6	3.2	2.5	.6								8.9	5.6
SE	3.7	5.6	2.4	.4								12.0	5.0
SSE	2.6	4.6	1.0									8.2	4.5
S	2.6	3.1	3.7	1.5	.1							11.0	6.7
SSW	.6	3.9	3.3	1.8								9.7	7.4
SW	1.0	2.4	2.2	.2								5.7	6.0
WSW	1.8	2.8	.8	.3								5.7	5.1
W	1.5	2.3	1.0	.2								4.9	5.2
WNW	.6	2.7	1.5	.4								5.3	6.3
NW	1.0	1.6	1.3	.6			.1					4.6	7.1
NNW	.8	1.2	1.3	.4	.2	.1						4.0	7.7

VARIABLE

CALM	////////////////////	5.5	////
TOTALS	21.4 38.3 25.7 8.5 .3 .2 .1	100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/7MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 2100-2300

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND %
N	.8	1.2	1.3	.4			.1					3.8	7.3
NNE	.4	.6	.3	.1								1.5	4.9
NE	.3	.8	.4									1.5	5.4
ENE	.9	.6	.4	1.1	.1							3.1	7.9
E	1.0	1.5	1.5	.6	.1	.1						4.8	7.1
ESE	1.3	1.5	.5									3.3	4.5
SE	2.9	2.3	1.0	.2								6.3	4.4
SSE	3.0	2.7	.5	.1								6.3	4.1
S	4.9	6.3	4.7	1.2								17.2	5.6
SSW	2.4	6.1	2.9	.4								11.8	5.6
SW	2.2	3.3	2.4									7.8	5.2
WSW	1.7	2.0	.9	.1								4.7	4.5
W	1.7	2.2	.5	.4								4.8	5.1
WNW	.9	1.9	.9									3.7	5.2
NW	.8	.9	.3	.5	.1							2.6	6.6
NNW	.6	1.3	1.2	.6								3.8	7.1

VARIABLE

CALM	25.7	35.3	19.8	5.9	.3	.1	.1					100.0	4.8
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TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): ALL

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND S
N	1.5	2.2	2.5	1.0	.1	.0	.0	.0	.0	.0	.0	7.4	6.9
NNE	.6	.9	1.0	.2	.0	.0	.0	.0	.0	.0	.0	2.7	6.5
NE	.5	1.1	.9	.2	.0	.0	.0	.0	.0	.0	.0	2.6	6.2
ENE	.5	1.1	.9	.5	.0	.0	.0	.0	.0	.0	.0	3.0	7.2
E	.9	2.0	1.5	.5	.0	.0	.0	.0	.0	.0	.0	4.9	6.4
ESE	1.3	2.3	1.8	.3	.0	.0	.0	.0	.0	.0	.0	5.8	5.9
SE	1.6	2.8	2.2	.3	.0	.0	.0	.0	.0	.0	.0	6.9	5.7
SSE	1.3	1.4	.7	.2	.0	.0	.0	.0	.0	.0	.0	3.5	5.0
S	2.3	2.7	2.0	1.1	.1	.0	.0	.0	.0	.0	.0	8.2	6.2
SSW	1.5	2.6	2.9	2.1	.3	.0	.0	.0	.0	.0	.0	9.4	8.0
SV	1.4	2.3	2.4	1.2	.1	.0	.0	.0	.0	.0	.0	7.4	6.9
WSW	1.3	2.3	1.5	.6	.0	.0	.0	.0	.0	.0	.0	5.7	6.0
W	1.4	3.0	2.2	.7	.0	.0	.0	.0	.0	.0	.0	7.3	6.2
WNW	.8	1.9	1.7	.9	.1	.0	.0	.0	.0	.0	.0	5.3	7.3
NW	.6	1.9	1.8	1.2	.2	.1	.0	.0	.0	.0	.0	5.7	8.2
NNW	.8	1.9	1.8	.8	.1	.1	.0	.0	.0	.0	.0	5.5	7.5

VARIABLE

CALM

TOTALS 18.3 32.3 27.8 11.6 1.0 .2 .1 8.7 100.0 6.1

TOTAL NUMBER OF OBSERVATIONS: 7440

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STATION NUMBER: 724088 STATION NAME: DOVER AFB DE
PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 0000-0200
WIND SPEED IN KNOTS
1

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PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 0000-0200

TOTAL	MEAN	WIND
2		

7.4	4.7
2.6	4.1
.9	4.8
.6	8.8
.9	2.6
1.4	5.4
2.0	3.7
4.1	2.7
14.1	4.7
14.8	5.2
8.8	5.0
6.4	3.9
5.0	4.6
3.9	4.1
4.1	5.6
4.0	5.1

DATE _____ TIME _____

WILLIAMS

UPPER

TOTAL NUMBER OF OBSERVATIONS:	900
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GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	3.7	3.1	1.6								8.3	4.2
NNE	1.6	1.0	.3								2.9	3.7
NE	.7	.8	.9								2.3	5.2
ENE	.2	.4	.1								.8	4.9
E	.2	.3	.4								1.0	6.3
ESE	.7	1.0	.3								2.0	4.6
SE	1.2	.6									1.8	2.8
SSE	1.3	.9									2.2	3.1
S	4.9	3.8	1.7	.1							10.4	4.0
SSW	3.2	4.1	2.8	1.6							11.7	5.9
SW	4.3	4.0	1.0	.6							9.9	4.4
WSW	3.1	2.4	.3								5.9	3.5
W	2.8	2.3	.3	.1							5.6	3.8
WNW	2.0	1.6	.8	.2							4.6	4.8
NW	.6	1.7	1.2	.2							3.7	6.1
NNW	1.6	1.8	1.3								4.7	4.3

VARIABLE	22.3	1111
CALM	100.0	3.5
TOTALS	32.0	29.8
	13.1	2.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 0600-0800

[illegible]

TOTAL NUMBER OF OBSERVATIONS:		900
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STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 1200-1400

.....
WIND SPEED IN KNOTS

	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN
1								

TIME	WIND
0000	0000
0005	0005
0010	0010
0015	0015
0020	0020
0025	0025
0030	0030
0035	0035
0040	0040
0045	0045
0050	0050
0055	0055
0100	0100
0105	0105
0110	0110
0115	0115
0120	0120
0125	0125
0130	0130
0135	0135
0140	0140
0145	0145
0150	0150
0155	0155
0200	0200
0205	0205
0210	0210
0215	0215
0220	0220
0225	0225
0230	0230
0235	0235
0240	0240
0245	0245
0250	0250
0255	0255
0300	0300
0305	0305
0310	0310
0315	0315
0320	0320
0325	0325
0330	0330
0335	0335
0340	0340
0345	0345
0350	0350
0355	0355
0400	0400
0405	0405
0410	0410
0415	0415
0420	0420
0425	0425
0430	0430
0435	0435
0440	0440
0445	0445
0450	0450
0455	0455
0500	0500
0505	0505
0510	0510
0515	0515
0520	0520
0525	0525
0530	0530
0535	0535
0540	0540
0545	0545
0550	0550
0555	0555
0600	0600
0605	0605
0610	0610
0615	0615
0620	0620
0625	0625
0630	0630
0635	0635
0640	0640
0645	0645
0650	0650
0655	0655
0700	0700
0705	0705
0710	0710
0715	0715
0720	0720
0725	0725
0730	0730
0735	0735
0740	0740
0745	0745
0750	0750
0755	0755
0800	0800
0805	0805
0810	0810
0815	0815
0820	0820
0825	0825
0830	0830
0835	0835
0840	0840
0845	0845
0850	0850
0855	0855
0900	0900
0905	0905
0910	0910
0915	0915
0920	0920
0925	0925
0930	0930
0935	0935
0940	0940
0945	0945
0950	0950
0955	0955
1000	1000
1005	1005
1010	1010
1015	1015
1020	1020
1025	1025
1030	1030
1035	1035
1040	1040
1045	1045
1050	1050
1055	1055
1100	1100
1105	1105
1110	1110
1115	1115
1120	1120
1125	1125
1130	1130
1135	1135
1140	1140
1145	1145
1150	1150
1155	1155
1200	1200
1205	1205
1210	1210
1215	1215
1220	1220
1225	1225
1230	1230
1235	1235
1240	1240
1245	1245
1250	1250
1255	1255
1300	1300
1305	1305
1310	1310
1315	1315
1320	1320
1325	1325
1330	1330
1335	1335
1340	1340
1345	1345
1350	1350
1355	1355
1400	1400
1405	1405
1410	1410
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1420	1420
1425	1425
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1435	1435
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	2.1	5.3
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2.8	5.3
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10-2 64

[illegible]

10.8	6.1
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9.8 6.9

1.7	7.2
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2.9	6.5
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4.9	6.1
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6.7	6.8
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6.2	6.2
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3	10.8	8.4
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2	10.3	7.6
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	201	201
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6.2	8.9
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GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(IST): 1500-1700

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN
N	.8	2.1	1.2	.9								5.0	6.8
NNE	.6	.7	.4	.1								1.8	5.1
NE	.6	.6	.3									1.4	4.4
ENE	.4	1.0	.4	.1								2.0	5.4
E	1.2	2.4	1.2	.3								5.2	5.4
ESE	1.9	4.8	5.3	.7								12.7	6.3
SE	1.0	5.9	6.9	1.1								14.9	7.0
SSE	.7	1.2	2.0									3.9	6.3
S	.4	.8	1.0	.8								3.0	7.5
SSW	.6	1.2	2.1	1.3								5.2	8.4
SW	.7	.8	3.7	2.0	.2							7.3	9.0
WSW	.6	1.9	3.8	.8								7.0	7.6
W	.7	2.9	4.1	1.1	.3							9.1	7.9
WNW	.8	2.1	3.0	1.7	.1							7.7	8.1
NW	.2	1.4	2.6	2.0	.2							6.4	9.1
NNW	.1	1.4	3.7	1.2	.1							6.6	8.8

VARIABLE

CALM
TOTALS 11.1 31.2 41.8 14.1 1.0 100.0 7.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(IST): 1800-2000

WIND SPEED IN KNOTS

TOTAL

WIND

4.8 5.0

1.1 3.6

1.6 6.0

2.3 5.5

2.3 4.6

5.8 4.9

12.4 5.0

8.4 4.3

9.9 5.7

8.7 6.7

8.0 6.1

5.8 4.8

6.6 5.2

4.2 5.9

4.3 7.3

6.9 5.7

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GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(LS): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.6	.8	.9	.4								3.7 5.4
NNE	.7	.8	.6	.1								2.1 5.7
NE	.4	1.0	.2	.3								2.0 5.9
ENE	.4	.2	.2	.1								1.0 5.4
E	.9	.7	.1									1.7 3.5
ESE	1.1	.4	.2									1.8 3.6
SE	2.0	.9	.1									3.0 3.3
SSE	3.8	2.5	.7									6.9 3.6
S	7.8	8.9	3.7	.8								21.2 4.7
SSW	3.3	4.3	4.3	.9								12.9 5.8
SW	2.6	2.2	.6	.2								5.6 4.3
WSW	2.9	1.7	1.2									5.8 4.1
W	2.9	2.2	.8									5.9 4.0
WNW	.6	1.2	.4									2.2 4.8
NW	.7	1.2	.8	.6	.1							3.3 7.3
NNW	1.0	1.7	1.1	.4								4.2 6.2

VARIABLE											
CALM	////////////////////										16.6
TOTALS	32.7	30.8	15.9	3.9	.1						100.0

TOTAL NUMBER OF OBSERVATIONS: 897

AD-A174 643

DOVER AFB DELAWARE REVISED UNIFORM SUMMARY OF SURFACE

2/4

WEATHER OBSERVATIONS (U) AIR FORCE ENVIRONMENTAL

TECHNICAL APPLICATIONS CENTER SCOTT AFB IL NOV 86

UNCLASSIFIED

USAFETAC/DS-86/862

P/C 4/2

NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE														PERIOD OF RECORD: 77-86				MONTH: JUN		HOURS(1ST): ALL	
DIRECTION (DEGREES)		WIND SPEED IN KNOTS												TOTAL %	MEAN WIND						
		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56									
N		1.8	2.2	1.8	.6	.0	.0							6.4	5.9						
NNE		.9	.8	.6	.1									2.3	4.8						
NE		.6	1.0	.5	.1									2.2	5.2						
ENE		.5	.9	.5	.1									2.0	5.7						
E		1.0	1.8	1.1	.1									4.1	5.4						
ESE		1.1	2.3	1.5	.2									5.1	5.6						
SE		1.4	2.7	1.9	.3									6.2	5.7						
SSE		1.7	1.6	.6	.0									3.9	4.3						
S		3.2	3.5	1.9	.5	.0								9.1	5.0						
SSW		2.1	3.1	2.8	1.2	.0								9.2	6.3						
SW		2.1	2.7	2.1	1.1	.1								8.1	6.4						
WSW		2.2	2.1	2.0	.6	.0								6.9	5.8						
W		2.1	2.5	2.3	.6	.1	.0							7.5	6.2						
WNW		1.1	1.9	1.9	.7	.1								5.7	6.8						
NW		.8	1.8	1.9	.9	.1	.0							5.6	7.5						
NNW		1.0	2.0	2.2	.7	.0								5.9	6.8						
.....																					
VARIABLE																				
CALM		////////////////////														9.9	////				
TOTALS		23.5	32.9	25.4	7.7	.5	.0							100.0	5.4						
.....																					

TOTAL NUMBER OF OBSERVATIONS: 7195

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 AIR WEATHER SERVICE/MAC MONTH: JUL HOURS(IST): 0000-0200

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-59	TOTAL	MEAN WIND
N	1.9	3.2	.6									5.8	4.5
NNE	1.0	.3	.1									1.4	3.4
NE	.5	.3	.2									1.1	4.5
ENE	.3	.8	.3									1.4	5.5
E	.8	.4	.2									1.4	3.9
ESE	.6	.9	.1									1.6	3.9
SE	.4	1.1	.3									1.8	4.5
SSE	2.0	1.1										3.1	3.1
S	4.6	4.3	1.3	.5	.1							10.9	4.7
SSW	5.2	4.5	3.8	.6	.1							14.2	5.3
SW	3.1	4.6	1.5									9.2	4.4
WSW	3.8	2.6	.9									7.2	3.9
W	4.2	2.4	.6									7.2	3.8
WNW	1.3	2.8	1.0									5.1	4.9
W	.6	1.1	1.0									2.7	5.4
NNW	1.5	1.1	1.2									3.8	4.7

VARIABLE	22.2	11111
CALM	100.0	3.5
TOTALS	31.9	31.4 13.1 1.2 .2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

STATION NUMBER: 724080 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: JUL HOURS(IST): 0300-0500

WIND SPEED IN KNOTS

DIRECTION (DEGREES) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56 TOTAL MEAN WIND

N 3.5 2.6 .9 .4 7.4 4.4

NNE .9 .6 .1 1.6 3.6

NE .3 .1 .4 3.5

ENE .1 .3 .5 1.0 5.9

E .8 .5 .6 .1 2.0 5.4

ESE .8 .5 .5 1.8 4.8

SE .2 .6 .4 1.3 5.4

SSE 1.6 .4 .2 2.3 3.0

S 3.9 2.8 .2 6.9 3.4

SSW 3.0 4.6 2.8 1.1 11.5 5.8

SW 3.4 4.1 1.5 .1 9.1 4.5

WSW 2.9 2.6 .4 5.9 3.5

W 3.9 3.0 1.1 8.0 4.0

WNW 1.7 1.7 .9 4.3 4.6

NW 1.5 2.8 .2 4.5 4.0

NNW 2.3 1.9 1.1 5.3 4.2

VARIABLE

CALM 26.1

TOTALS 30.8 29.2 11.6 1.7 100.0 3.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
 MONTH: JUL HOURS(IST): 0600-0800

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-59	TOTAL	MEAN
N	2.2	3.3	3.5	.4								9.5	6.1
NNE	1.1	1.2	.3									2.6	4.3
NE	1.1	.9	.8									2.7	4.6
ENE	.5	.9	.2									1.6	4.2
E	1.3	1.3	.8	.1								3.4	4.8
ESE	.8	.6	.5	.2								2.2	5.7
SE	1.0	.8	.4									2.2	4.2
SSE	1.0	.6	.3									1.9	3.9
S	2.3	2.2	1.1									5.5	4.4
SSW	1.3	3.7	3.2	1.4								9.6	6.8
SW	2.3	4.3	3.1	.5								10.2	5.8
WSW	1.4	3.0	1.5	.3								6.2	5.6
W	2.6	4.4	2.0									9.0	4.8
WNW	.9	1.7	1.7	.3								4.6	6.2
NW	2.4	1.5	2.0	.1								6.0	5.3
NNW	2.4	3.0	1.6	.5								7.5	5.3

VARIABLE

CALP	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
TOTALS	24.2	33.3	23.2	4.0								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724086 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: JUL HOURS(LST): 0900-1100

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-58	TOTAL	MEAN WIND
N	2.3	4.3	3.1	.8								10.4	5.9
NNE	1.3	1.6	1.5	.2								4.6	5.7
NE	.4	1.3	.3									2.0	4.7
ENE	.8	1.3	.6									2.7	4.8
E	2.0	3.9	1.5	.2								7.6	5.0
ESE	1.4	2.7	1.8	.5								6.5	5.9
SE	1.0	1.4	1.2									3.5	5.1
SSE	.6	.6	.8									2.0	5.0
S	1.0	1.5	.9	.3	.1							3.8	6.2
SSW	1.0	1.9	2.0	1.3								6.2	7.4
SW	1.8	2.3	3.7	1.2								8.9	7.2
WSW	1.2	3.1	2.6	.2								7.1	6.0
W	1.5	5.2	3.0	1.5								11.2	6.5
WNW	.3	3.2	2.0	.6								6.2	6.8
NW	.8	2.6	1.7	.9								5.9	6.9
NNW	1.0	2.6	2.2	1.6								7.3	7.6

VARIABLE

CALM

TOTALS

3.9

100.0

6.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: JUL HOURS(LST): 1200-1400

WIND SPEED IN KNOTS

DIRECTION (DEGREES) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56-60 TOTAL MEAN WIND

N .6 2.5 3.7 .2

NNE 1.1 .4 .1

NE .5 .8 .3

ENE .9 .8 .3 .1

E 1.6 4.8 2.9 .2

ESE 1.2 4.4 4.7 .4

SE .4 2.7 3.2 .5

SSE .4 1.1 .9

S .4 1.7 1.0 .4 .1

SSW .3 1.2 2.2 1.4 .2

SW .8 1.6 3.5 2.7

WSW 1.0 2.2 2.4 .9

W .8 5.5 3.7 1.0 .2

WNW .8 2.8 3.2 1.4 .1

NW .6 2.8 1.9 1.6

NNW .3 2.0 2.7 1.0

VARIABLE

CALM 1.9

TOTALS 10.6 37.8 37.0 11.9 .6 100.0 6.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/WAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: JUL HOURS(LST): 1500-1700

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	1.1	2.9	2.5	.6		.1						7.2	6.7
NNE	.2	.9	.2									1.3	4.9
NE	.1	.3	.1	.2								.8	7.6
ENE	.2	.4	.2	.1								1.0	5.8
E	1.4	3.1	1.4	.1								6.0	5.2
ESE	1.6	5.5	3.4	.3								10.9	5.8
SE	.9	6.7	6.5	.4								14.4	6.5
SSE	.5	2.0	1.2									3.8	5.8
S	.6	1.3	1.2	.6	.2							4.0	7.4
SSW		1.4	1.8	1.9	.6							5.8	10.5
SW	.5	3.1	3.0	1.8	.1							8.6	8.1
WSW	.6	2.6	2.2	1.1								6.5	7.3
W	.6	4.2	5.7	1.1								11.6	7.5
MNW	.1	1.9	2.2	.4	.3							4.9	7.8
NW	.5	1.9	2.2	1.0	.1	.2						5.9	8.4
NNW	.3	1.6	3.1	.9	.1							6.0	8.0
VARIABLE													
CALM	////////	////////	////////	////////	////////	////////	////////	////////	////////	////////	////////	1.4	7.1
TOTALS	9.5	39.9	36.8	10.6	1.5	.3						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: JUL HOURS(IST): 1800-2000

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-65	TOTAL	MEAN WIND
N	1.5	2.0	1.0	.2								4.7	4.9
NNE	.5	.3	.3	.1								1.3	5.5
NE	.5	.1	.3									1.0	4.7
ENE	.1			.1								.2	8.5
E	1.0	.6	.6	.2								2.5	5.7
ESE	2.4	3.9	.8	.1								7.1	4.2
SE	4.0	6.0	1.0									11.0	4.1
SSE	2.0	4.3	.5									6.9	4.2
S	2.9	3.5	1.9	.4	.1							8.9	5.4
SSW	2.0	2.7	3.2	1.5								9.5	6.9
SW	2.3	3.3	1.6	.8								8.0	5.8
WSW	2.5	3.9	1.0	.5	.1							8.0	5.3
W	2.3	4.3	.8	.3								7.6	4.8
WNW	.4	1.5	1.3	.4	.1							3.8	7.4
NW	.8	1.6	1.2	.3	.1							4.0	6.5
NNW	1.7	2.8	1.1	.3	.1							6.0	5.4

VARIABLE

CALM 9.7

TOTALS 26.9 41.0 16.6 5.4 .5 100.0 4.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724000 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: JUL HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63	
N	1.5	1.6	.1	.1	.1							3.3 4.1
NNE	.3	.3	.1		.1						.9	6.3
NE	.1										.1	3.0
ENE	.2										.2	2.0
E	.5	.8	.5	.1							1.9	5.7
ESE	1.1	1.3	.1								2.5	3.6
SE	3.4	2.3	.3								6.0	3.4
SSE	3.8	2.2	.6								6.6	3.6
S	7.7	5.9	2.4	1.1							17.1	4.5
SSW	5.1	6.3	2.8	.6							14.8	4.9
SW	3.1	3.7	.6	.5							8.0	4.6
WSW	4.0	2.7	.8	.1							7.5	3.8
W	2.8	2.2	.8	.3							6.0	4.6
WNW	1.0	.5	1.0								2.5	5.5
NW	.5	1.1	1.1	.2							2.9	6.1
NNW	1.3	1.5	.2	.1							3.1	4.2

VARIABLE											16.6	11111
CALM											100.0	3.7
TOTALS	36.5	32.3	11.4	3.2	.1							

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: JUL HOURS(LST): ALL

WIND SPEED IN KNOTS

DIRECTION (DEGREES) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56 TOTAL MEAN WIND

N 1.8 2.8 1.9 .3 .0 6.9 5.6

NNE .7 .8 .4 .1 .0 1.9 5.1

NE .5 .5 .3 .0 1.2 4.8

ENE .4 .6 .3 .0 1.3 5.0

E 1.2 1.9 1.1 .1 4.3 5.2

ESE 1.2 2.5 1.5 .2 5.4 5.5

SE 1.4 2.7 1.7 .1 5.9 5.3

SSE 1.5 1.5 .6 3.6 4.2

S 2.9 2.9 1.2 .4 .1 7.6 5.0

SSW 2.2 3.3 2.7 1.2 .1 9.6 6.5

SW 2.2 3.4 2.3 1.0 .0 8.8 6.1

WSW 2.2 2.8 1.5 .4 .0 6.8 5.3

W 2.3 3.9 2.2 .5 .0 9.0 5.6

WNW .8 2.0 1.7 .4 .1 5.0 6.5

NW 1.0 1.9 1.4 .5 .0 .0 4.9 6.4

NNW 1.3 2.1 1.6 .6 .0 5.6 6.2

VARIABLE

CALM

TOTALS 23.6 35.6 22.3 5.9 .4 .0 100.0 5.0

TOTAL NUMBER OF OBSERVATIONS: 7440

AIR WEATHER SERVICE/MAC

PERIOD OF RECORD: 76-85

MONTH: AUG HOURS(LST): 0000-0200

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WIND SPEED IN KNOTS

[illegible]

N	1	2.2	2.5	.6	.8	.7	6.1	5.6
---	---	-----	-----	----	----	----	-----	-----

NNE	1	.9	.4	2.2	4.8
-----	---	----	----	-----	-----

NE	.3	.6	.2	.2	1.5	6.1
----	----	----	----	----	-----	-----

ENE	.6	.8	.6	2.0	5.2
-----	----	----	----	-----	-----

[illegible]

ESE	.8	.4	1.2	2.9
ESE				

SE	.6	.5	1.3	3.2
----	----	----	-----	-----

	1.5	.9	2.4	3.1
SSE				

S	5.2	5.4	1.4	11.9	4.0

SS	4.5	6.8	3.5	3	2.2	5.0
SS						

SW	4.0	6.0	1.4	.2	11.6	4.5
SW						

MSW	1.6	1.9	.3	3.9	3.9
-----	-----	-----	----	-----	-----

W	2.5	2.3	.1	.3	.2	5.3	5.4
---	-----	-----	----	----	----	-----	-----

MMW	1.1	1.6	.3	3.0	3.9
-----	-----	-----	----	-----	-----

	1.3	2.6	.6	4.5	4.5
NNN	1	1			

..... VARIABLE 1

24.5

TOTALS	28.6	34.6	10.2	1.8	.2	100.0	3.4
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AL NUMBER OF OBSERVATIONS: 930

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GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: AUG HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND %
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	3.3	3.3	1.3	.2							8.2	4.4
NNE	2.3	1.7	1.0	.2							5.2	4.7
NE	.8	1.0	.5								2.3	4.5
ENE	.2	.1	.2								.5	5.0
E	1.0	.6									1.6	3.1
ESE	.4	.4	.1								1.0	4.1
SE	.8	.1									.9	2.8
SSE	1.2	1.0									2.2	3.1
S	2.9	4.8	.5								8.3	4.1
SSW	2.9	5.2	2.8	.1							10.9	5.0
SW	4.2	5.6	1.6	.1							11.5	4.4
WSW	2.4	2.3	.2								4.8	3.7
W	2.8	1.8	.2	.1							4.9	3.5
WNW	1.4	1.3	.4								3.1	4.0
NW	1.9	2.7	.3								4.9	3.9
NNW	2.5	3.1	.9								6.5	4.4

VARIABLE											23.3	11111
CALM											100.0	3.3
TOTALS	30.8	35.1	10.1	.8								

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: AUG HOURS(LST): 0600-0800

WIND SPEED IN KNOTS

DIRECTION (DEGREES) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN WIND

N 2.5 5.2 3.1 .3 5.1 6.4

NNE 1.1 2.2 1.3 .4 .1 3.3 5.8

NE .6 1.4 1.2 .1 2.9 5.2

ENE .8 1.3 .8 .1 1.4 4.3

E .5 .8 .1 1.6 4.6

ESE .6 .5 .4 1.5 4.7

SE .6 .5 .3 1.4 4.2

SSE .5 .8 .1 6.7 4.8

S 2.3 3.1 1.1 .2 10.6 5.9

SSW 2.5 3.9 3.7 .6 9.5 5.8

SW 2.3 3.7 3.1 .4 7.5 4.8

WSW 2.5 3.4 1.4 .2 6.5 4.3

W 2.8 2.7 .9 .1 3.5 4.3

WNW 1.4 1.6 .5 4.2 4.9

NW 1.2 2.2 .5 .3 9.2 5.3

NNW 3.0 3.4 2.4 .4

VARIABLE 14.0

CALM 100.0 4.5

TOTALS 25.2 36.6 20.9 3.3 .1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: AUG HOURS(LST): 0900-1100

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	1.8	3.0	4.1	1.1								10.0	6.7
NNE	1.6	1.9	2.3	.4								6.2	6.2
NE	1.1	2.3	2.3	.4								6.0	6.3
ENE	.9	1.8	1.0	.2								3.9	5.7
E	1.6	2.2	1.7									5.5	5.2
ESE	1.2	2.2	1.3									4.6	5.3
SE	.8	.6	.6	.1								2.2	5.6
SSE	1.0	.6	.5									2.2	4.6
S	.8	1.6	1.5	.2								4.1	5.9
SSW	.6	2.4	3.7	1.1								7.7	7.6
SW	.9	2.8	4.5	1.4								9.6	7.5
WSW	1.0	3.3	1.8	.6								6.8	6.3
W	2.5	3.5	3.2	.3	.1							9.7	6.0
WNW	1.6	2.3	1.2	.1								5.2	5.1
NW	.9	1.7	.5	.3								3.4	5.9
NNW	1.7	3.1	3.8	.6								9.2	6.5

VARIABLE

CALM 3.8
 TOTALS 19.8 35.4 34.0 7.0 .1 100.0 6.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: AUG HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	3.0	4.4	.9							8.9	7.1
NNE	.1	1.3	1.1	.5							3.0	7.6
NE	.6	1.9	.4		.1						3.1	5.3
ENE	.4	1.7	.9								3.0	5.5
E	.8	4.4	2.0								7.2	5.4
ESE	1.1	6.9	4.3	.4							12.7	6.2
SE	1.1	3.5	2.7	.3							7.6	6.0
SSE	.8	.9	.6								2.3	5.1
S	.8	1.2	1.9	.3							4.2	6.4
SSW	.9	1.3	3.3	1.4	.1	.1					7.1	8.5
SW	.5	1.3	4.0	1.0							6.8	8.1
WSW	.6	1.8	2.4	1.2							6.0	7.8
W	1.3	3.2	5.3	1.4	.1						11.3	7.5
WNW	.6	1.8	1.5	.9							4.8	7.3
NW	.3	1.4	1.6	.5							3.9	7.5
NNW	.9	2.2	2.3	.9							6.1	6.9

VARIABLE

CALM	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
TOTALS	11.4	37.8	38.7	9.7	.3	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: AUG HOURS(IST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.5	2.2	3.1	.4								6.2 7.1
NNE	.4	1.4	.5	.3	.3							3.0 7.7
NE	.3	.8	.8	.1								1.9 6.4
ENE	.6	1.5	.5									2.7 4.9
E	1.0	2.9	1.1	.1								5.1 5.2
ESE	2.6	4.8	4.5	.5								12.5 6.0
SE	1.6	7.4	6.2	.3								15.6 6.1
SSE	.6	1.7	.9	.1								3.3 5.3
S	.5	1.4	2.8	.5								5.3 7.3
SSW	.4	1.6	3.8	1.5								7.3 8.3
SW	.2	1.6	2.7	1.2								5.7 7.9
WSW	.9	3.2	1.6	.3								6.0 6.0
W	1.1	3.2	3.9	.9	.1							9.1 7.0
WNW	.6	1.6	2.9	.4	.1							5.7 7.5
NW	.1	1.4	1.7	1.1								4.3 8.3
NNW	.6	1.6	2.3	.4								4.9 6.8

VARIABLE

CALM	12.3	38.4	39.2	8.3	.5							100.0 6.6
TOTALS												

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 AIR WEATHER SERVICE/HAC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: AUG HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-59	
N	1.1	2.2	.4		.1	.1					3.9	5.7
NNE	.9	.4	.1	.3							1.7	5.6
NE	.3	.6	.4	.1	.1						1.6	6.6
ENE	.1	.6	.4	.2							1.4	6.6
E	.5	.8	1.0								2.3	5.5
ESE	2.4	2.9	.8	.1							6.1	4.3
SE	4.2	4.7	1.2								10.1	4.0
SSE	5.8	4.4	.6								10.9	3.6
S	5.5	5.3	1.7	.2							12.7	4.6
SSW	2.6	4.9	3.3	.3							11.2	5.6
SW	1.9	2.4	1.0								5.3	4.5
WSW	2.3	2.4	.1								4.7	3.6
W	2.7	2.4	.5								5.6	3.9
WNW	.5	1.7	.5	.1	.1						3.0	5.8
NW	.3	1.4	.3	.1	.1	.1					2.3	6.8
NNW	1.4	2.4	1.3	.4	.1						5.6	6.1

VARIABLE

CALM	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
TOTALS	32.5	39.5	13.8	1.8	.5	.2					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: AUG HOURS(LST): 2100-2300

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	1.2	1.0	.4	.3								2.9	5.3
NNE	.3	1.0	.4	.1								1.8	5.2
NE	.1	.6	.2	.1								1.1	6.3
ENE	.8	.8	.6	.2								2.4	5.5
E	1.0	.9	.3									2.2	4.4
ESE	.9	.9	.1									1.8	3.5
SE	1.7	.9	.1									2.7	3.2
SSE	3.5	1.7	.2									5.5	3.2
S	8.7	9.4	2.6									20.6	4.1
SSW	3.3	6.7	3.0	.3								13.3	5.1
SW	2.7	3.2	1.1									7.0	4.4
WSW	1.9	1.9	.2									4.1	3.6
W	2.0	1.8	.3	.1	.1							4.4	4.1
WNW	1.0	.3	.4	.1								1.8	4.6
NW	.2	.5	.3	.1								1.2	6.4
NNW	.9	1.9	1.4		.1							4.3	5.6

VARIABLE	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
CALM	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	22.9	11.1
TOTALS	30.2	33.4	11.8	1.4	.2							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: AUG HOURS(IST): ALL

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL %	MEAN WIND
N	1.7	2.8	2.2	.5	.0	.0	.0					7.2	6.0
NNE	.9	1.3	.9	.3	.1							3.5	6.1
NE	.5	1.2	.8	.1	.0							2.6	5.9
ENE	.6	1.1	.6	.1								2.4	5.4
E	.9	1.6	.8	.0								3.3	4.9
ESE	1.2	2.4	1.4	.1								5.2	5.4
SE	1.4	2.3	1.4	.1								5.2	5.2
SSE	1.9	1.5	.4	.0								3.7	3.8
S	3.3	4.0	1.7	.2								9.2	4.7
SSW	2.2	4.1	3.4	.7	.0	.0						10.4	6.0
SW	2.1	3.3	2.4	.5								8.4	5.7
WSW	1.6	2.5	1.0	.3								5.5	5.1
W	2.2	2.6	1.8	.4	.1							7.1	5.6
WNW	1.0	1.5	1.0	.2	.0							3.8	5.6
NW	.7	1.6	.7	.3	.0	.0						3.3	6.0
NNW	1.5	2.5	1.9	.3	.0							6.3	5.8

VARIABLE

CALM 12.9

TOTALS 23.8 36.3 22.3 4.3 .3 .0 100.0 4.8

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: SEP HOURS(LST): 0000-0200

WIND SPEED IN KNOTS

DIRECTION (DEGREES) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56-63 TOTAL MEAN WIND

N 2.6 2.9 2.1 .3 7.9 5.2

NNE .9 2.2 1.8 .6 .1 5.6 6.8

NE .7 1.2 1.6 .3 3.8 6.7

ENE .3 .8 .6 .2 1.9 6.4

E .9 1.0 .3 .2 2.4 5.2

ESE .3 .4 1.0 1.8 6.4

SE .6 .9 .1 1.6 4.1

SSE 1.3 1.3 .1 .2 .1 3.1 4.9

S 4.7 2.3 .9 .1 .1 8.1 4.0

SSW 4.0 4.7 1.9 .6 11.1 4.8

SW 4.0 4.6 1.6 .1 10.2 4.4

WSW 2.3 2.1 .4 4.9 3.8

W 1.2 3.2 .4 4.9 4.5

WNW .8 1.4 .8 .1 3.1 5.5

NW 1.2 1.8 .8 .4 4.2 5.6

NNW 1.3 2.2 .7 .3 4.6 4.8

VARIABLE

CALM 20.9 77777

TOTALS 27.1 33.1 15.0 3.6 .2 .1 100.0 4.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/HMC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: SEP HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	6.6	4.1	2.0	.9							13.6	4.5
NNE	2.3	2.0	1.6	1.0							6.9	6.0
NE	.2	1.0	1.4	.2							2.9	6.9
ENE	.4	.6	.7	.1							1.8	6.8
E	.6	.8	.3	.1	.1						1.9	6.8
ESE	.4	1.1	.2								1.8	4.8
SE	.8	.8	.1								1.7	3.7
SSE	1.7	1.1	.2								3.0	3.9
S	2.9	2.0	.7	.3	.2						6.1	5.1
SSW	3.3	3.2	.6	.3							7.4	4.1
SW	3.6	4.6	1.4	.1							9.7	4.6
WSW	2.6	2.2	.3								5.1	3.8
W	2.8	1.3	.6	.1							4.8	3.9
WNW	1.1	1.4	.7	.3							3.6	5.3
NW	1.3	2.0	.7								4.0	4.6
NNW	2.0	1.4	.6	.1							4.1	4.2

VARIABLE												
CALM	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	21.8	////////
TOTALS	32.6	29.7	12.0	3.4	.4	.1					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: SEP HOURS(LST): 0600-0800

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-66	TOTAL	MEAN WIND
N	4.3	4.8	2.7	.8	.1							12.7	5.4
NNE	1.3	3.0	2.8	1.0	.1							8.2	6.6
NE	.8	1.7	2.6	.3	.2	.1						5.7	7.7
ENE	.2	1.6	.6	.6								2.9	6.7
E	.4	1.0	1.1	.1								2.7	6.0
ESE	.6	.3	.3									1.2	5.0
SE	.6	.6	.4									1.6	4.6
SSE	.2	.7	.2									1.1	5.5
S	1.9	2.6	.8	.1	.1							5.4	4.9
SSW	1.9	2.7	1.8	.2								6.6	5.2
SW	2.8	3.9	1.7	.8	.1							9.2	5.4
WSW	1.8	3.2	.4	.1								5.6	4.2
W	2.3	2.1	1.6	.1								6.1	4.8
WNW	.7	1.7	1.4	.8								4.6	6.9
NW	.4	1.6	1.1	.3								3.4	6.4
NNW	2.8	1.8	1.6		.1							6.2	4.8

VARIABLE

CALW /// 16.9 //

TOTALS 23.0 33.0 21.0 5.2 .7 .2 100.0 4.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: SEP HOURS(IST): 0900-1100

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN	WIND
N	2.1	3.4	5.0	2.0								12.6	7.0	
NNE	.8	2.0	3.1	2.2								8.1	8.3	
NE	.4	2.8	3.8	.9	.1							8.0	7.6	
ENE	1.1	2.4	2.2	.1								5.9	6.1	
E	.6	3.1	2.6	.8	.1							7.1	7.2	
ESE	.6	2.1	1.6	.3								4.6	6.2	
SE	.9	1.2	.6									2.7	4.5	
SSE	.4	1.0	.8	.1								2.3	5.5	
S	.6	1.3	.7	.1	.1							3.4	7.8	
SSW	.4	1.8	2.2	.8								5.2	7.7	
SW	1.0	1.4	2.4	1.3	.1							6.3	7.8	
WSW	.8	2.8	2.1	.3	.1							6.1	6.6	
W	.8	3.6	4.4	.6	.1	.1						9.6	7.1	
WNW	.8	1.3	1.8	1.4			.2					5.6	9.2	
NW	.6	1.4	1.1	1.3	.4							4.9	9.0	
NNW	.6	1.6	2.2	.7								5.0	7.2	

VARIABLE	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	2.1	7.1
CALM	12.3	33.3	36.6	13.6	1.1	.2						100.0	7.1	
TOTALS														

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE													PERIOD OF RECORD: 76-85		
													MONTH: SEP HOURS(IST): 1200-1400		
WIND SPEED IN KNOTS															
DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN		
N	.8	2.4	4.1	.9	.1							8.3	7.6		
NNE		1.2	2.6	1.1								4.9	8.8		
NE	1.4	2.0	2.2	.4								6.1	6.3		
ENE	.6	1.8	1.9	.4								4.7	6.5		
E	1.7	4.6	2.3	.6	.1							9.2	6.0		
ESE	.4	5.2	4.0	.9								10.6	6.8		
SE	.4	2.6	3.1	.3								6.4	6.7		
SSE	.6	.8	.4									1.8	4.9		
S	.9	1.3	1.2	.6								4.0	6.5		
SSW	.4	1.4	1.3	1.0	.1							4.3	8.1		
SW	.4	1.4	1.9	1.8								5.6	8.7		
WSW	.7	2.0	2.4	.7								5.8	7.3		
W	.8	4.0	4.0	1.7	.1	.1						10.7	7.9		
WNW	.4	1.3	2.4	1.7	.1							6.0	8.8		
NW	.4	1.2	1.7	1.2	.1	.1						4.8	8.7		
NNW	.6	2.7	2.4	.9	.1							6.7	7.6		

VARIABLE													
CALM	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	.2
TOTALS	10.6	36.0	38.1	14.1	.8	.2						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
MONTH: SEP HOURS(LST): 1500-1700

DIRECTION (DEGREES) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56 TOTAL MEAN WIND %

N	1.2	3.4	3.2	1.1							9.0	6.6
NNE	.6	.9	1.8	.2							3.4	6.8
NE	.3	1.3	1.3	.3							3.3	6.8
ENE	.9	1.3	1.1	.3	.1						3.8	6.2
E	1.0	2.8	2.1	1.0	.1						7.0	7.0
ESE	1.7	6.3	4.9	.6							13.4	6.3
SE	1.4	5.0	6.0	.2							12.7	6.2
SSE	1.0	1.4	.8	.2							3.4	5.4
S	.1	.3	1.0	.6	.1						2.1	9.5
SSW	.2	1.1	1.2	1.7	.2						4.4	9.4
SW	.4	1.3	2.9	.8							5.4	7.7
WSW	.8	2.7	3.3	.3							7.1	6.7
W	.8	1.8	4.1	.9	.2						7.8	8.0
WNW	.4	2.1	2.6	1.4							6.6	8.2
NW	.2	.6	1.8	1.2	.1						3.9	9.5
NNW	.7	1.1	2.6	1.0							5.3	8.0

VARIABLE

CALM	11.8	33.6	40.7	11.9	.8	.1					100.0	7.1
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TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: SEP HOURS(LST): 1800-2000

WIND SPEED IN KNOTS
 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56-63 TOTAL MEAN WIND

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63	TOTAL	MEAN WIND
N	2.4	2.6	2.4	.2	.1							7.8	5.8
NNE		1.2	.9	.4								2.9	7.2
NE		.8	1.1	.1								2.0	7.4
ENE	.4	.3	1.9	.6								3.2	7.9
E	.8	1.4	2.2	.6								5.0	6.9
ESE	1.4	2.0	1.1	.2								4.8	5.0
SE	3.6	5.1	.9									9.6	4.1
SSE	4.4	3.9	.7									9.0	3.7
S	4.0	4.4	1.8	.8								11.0	5.0
SSW	1.4	5.3	1.8	.1								8.7	5.2
SW	1.3	3.0	1.2	.1								5.7	5.1
WSW	1.7	2.1	.4	.1								4.3	4.3
W	1.9	2.3	.6	.1								4.9	4.2
NNW	.7	1.4	1.1	.1								3.3	6.0
NW	.7	1.3	.8	.1								2.9	5.8
NNW	1.9	2.8	.9	.2								5.8	4.8

VARIABLE

CALM	27.0	40.1	19.8	3.7	.1	.1						100.0	4.7
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TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: SEP HOURS(IST): 2100-2300

WIND SPEED IN KNOTS

1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56-59 TOTAL MEAN

DIRECTION (DEGREES)

N 2.3 2.0 2.0 .3 .3 .3 .3 .3 .3 .3 6.7 5.4

NNE .2 1.8 1.4 .6 .1 .1 .1 .1 .1 .1 4.0 7.3

NE .3 1.2 1.3 .4 .1 .1 .1 .1 .1 .1 3.3 7.0

ENE .6 1.6 1.7 .3 .1 .1 .1 .1 .1 .1 4.1 6.6

E .9 1.0 1.2 .2 .1 .1 .1 .1 .1 .1 3.4 6.6

ESE 1.3 1.4 .4 .1 .1 .1 .1 .1 .1 .1 3.4 5.0

SE 1.0 .9 .2 .1 .1 .1 .1 .1 .1 .1 2.2 4.5

SSE 3.3 1.7 .1 .1 .1 .1 .1 .1 .1 .1 5.1 3.3

S 6.7 5.4 1.2 .3 .3 .3 .3 .3 .3 .3 13.7 3.9

SSW 3.9 5.7 2.3 .6 .6 .6 .6 .6 .6 .6 12.4 5.0

SW 3.2 3.2 2.0 .1 .1 .1 .1 .1 .1 .1 8.4 4.6

WSW 1.2 1.3 .2 .1 .1 .1 .1 .1 .1 .1 2.8 3.9

W 1.6 1.4 .8 .1 .1 .1 .1 .1 .1 .1 3.8 4.7

WNW .2 1.6 .7 .1 .1 .1 .1 .1 .1 .1 2.6 5.7

NW .9 .9 .3 .2 .2 .2 .2 .2 .2 .2 2.3 5.1

NNW 1.0 2.4 1.0 .1 .1 .1 .1 .1 .1 .1 4.4 4.9

.....

VARIABLE

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CALM 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2

TOTALS 28.7 33.6 17.0 3.2 .3 .3 .3 .3 .3 .3 100.0 4.1

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TOTAL NUMBER OF OBSERVATIONS: 900

PERIOD OF RECORD: 76-85
MONTH: OCT HOURS(LST): 0000-0200

[illegible][illegible]

N	2.8	3.2	1.9	1.1	
N	1	2.8	3.2	1.9	1.1

	9.0	5.0
NNE		

[illegible]

NE	.1	1.4	2.9	.6
				5.1
				8.0

ENE	1	.6	1.1	.4
ENE	1	.6	1.1	.4

	F	T	L
7.9			
2.3			

	2.3	5.9
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USE	.3	.1	.4	2.0
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6.	5.
35	35

ESS	6.1	0.1	4	1	ESS
3.8	1.1	4.1	8.5		

	200	89	61	
				3.4 3.9

3	4.8	4.3	1.0	.1	10.2	3.9
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SSW	3.1	4.0	1.5	.2	
					0.0 4.2

MS	1.9	2.3	1.0	1.6
MS	1.9	2.3	1.0	1.6

	5.0	5.5
NEW		

MSN	1.2	2.8	1.0	.1	
					5.1
					4.9

W	1	1.7	3.5	1.7	.8	.4	
							1.2 4.7

MM	2.9	1.3	1.2	0.7
MM	0.6	2.9	1.3	1.2

[illegible][illegible]

NNW	2.3	1.7	1.3	.3
				5.6
				5.0

[illegible][illegible]

2000	2004	2008	2012	2016	2020	2024	2028	2032	2036	2040	2044	2048	2052	2056	2060	2064	2068	2072	2076	2080	2084	2088	2092	2096	2100	2104	2108	2112	2116	2120	2124	2128	2132	2136	2140	2144	2148	2152	2156	2160	2164	2168	2172	2176	2180	2184	2188	2192	2196	2200	2204	2208	2212	2216	2220	2224	2228	2232	2236	2240	2244	2248	2252	2256	2260	2264	2268	2272	2276	2280	2284	2288	2292	2296	2300	2304	2308	2312	2316	2320	2324	2328	2332	2336	2340	2344	2348	2352	2356	2360	2364	2368	2372	2376	2380	2384	2388	2392	2396	2400	2404	2408	2412	2416	2420	2424	2428	2432	2436	2440	2444	2448	2452	2456	2460	2464	2468	2472	2476	2480	2484	2488	2492	2496	2500	2504	2508	2512	2516	2520	2524	2528	2532	2536	2540	2544	2548	2552	2556	2560	2564	2568	2572	2576	2580	2584	2588	2592	2596	2600	2604	2608	2612	2616	2620	2624	2628	2632	2636	2640	2644	2648	2652	2656	2660	2664	2668	2672	2676	2680	2684	2688	2692	2696	2700	2704	2708	2712	2716	2720	2724	2728	2732	2736	2740	2744	2748	2752	2756	2760	2764	2768	2772	2776	2780	2784	2788	2792	2796	2800	2804	2808	2812	2816	2820	2824	2828	2832	2836	2840	2844	2848	2852	2856	2860	2864	2868	2872	2876	2880	2884	2888	2892	2896	2900	2904	2908	2912	2916	2920	2924	2928	2932	2936	2940	2944	2948	2952	2956	2960	2964	2968	2972	2976	2980	2984	2988	2992	2996	3000	3004	3008	3012	3016	3020	3024	3028	3032	3036	3040	3044	3048	3052	3056	3060	3064	3068	3072	3076	3080	3084	3088	3092	3096	3100	3104	3108	3112	3116	3120	3124	3128	3132	3136	3140	3144	3148	3152	3156	3160	3164	3168	3172	3176	3180	3184	3188	3192	3196	3200	3204	3208	3212	3216	3220	3224	3228	3232	3236	3240	3244	3248	3252	3256	3260	3264	3268	3272	3276	3280	3284	3288	3292	3296	3300	3304	3308	3312	3316	3320	3324	3328	3332	3336	3340	3344	3348	3352	3356	3360	3364	3368	3372	3376	3380	3384	3388	3392	3396	3400	3404	3408	3412	3416	3420	3424	3428	3432	3436	3440	3444	3448	3452	3456	3460	3464	3468	3472	3476	3480	3484	3488	3492	3496	3500	3504	3508	3512	3516	3520	3524	3528	3532	3536	3540	3544	3548	3552	3556	3560	3564	3568	3572	3576	3580	3584	3588	3592	3596	3600	3604	3608	3612	3616	3620	3624	3628	3632</
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TOTAL NUMBER OF OBSERVATIONS: 930

100

1000

Figure 1. The effect of the number of iterations on the accuracy of the proposed algorithm. The figure shows that the accuracy of the proposed algorithm increases with the number of iterations and reaches a plateau around 0.95 after 100 iterations.

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: OCT HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.4	3.4	1.4	1.3	.1							9.7 5.6
NNE	1.1	3.2	4.1	1.3	.1							9.8 7.3
NE	.1	.1	3.0	.5								3.8 9.1
ENE	.2	.8	.5	.5								2.0 7.7
E	.2	.2	.2	.8								1.4 9.2
ESE	.4	.3	.1	.1								1.0 5.1
SE	.5	.9	.4									1.8 4.6
SSE	1.1	1.2	.4									2.7 4.3
S	3.5	4.2	.8									8.5 4.0
SSW	4.4	3.8	1.2	.5								9.9 4.5
SW	2.0	2.7	.4	.2								5.4 4.2
WSW	1.4	2.9	.8									5.1 4.5
W	1.5	3.5	1.7	.9	.2	.1						8.0 6.8
WNW	1.0	3.1	1.7	.1								5.9 5.6
NW	1.1	1.2	1.1	.2								3.5 5.9
NNW	2.6	2.0	.6	.3								5.6 4.4

VARIABLE											
CALM	////////////////////										16.0
TOTALS	24.6	33.5	18.5	6.8	.4	.1					100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: OCT HOURS(LST): 0600-0800

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	4.2	4.1	3.3	1.4	.2							13.2	6.0
NNE	1.1	1.8	4.4	1.0	.2	.1						8.6	7.8
NE	.2	1.3	2.8	.4								4.7	7.7
ENE	.1	.6	.5	.4	.1							1.8	8.8
E	.6	.1	.2	.1	.1							1.1	5.6
ESE	.4	.3	.3									1.1	4.9
SE	.3	.4	.1									.9	4.5
SSE	.8	1.2	.2									2.2	4.5
S	3.5	3.1	1.8	.2								8.7	4.6
SSW	2.4	3.9	1.4	1.0	.1							8.7	5.8
SW	2.4	2.5	1.6	.2								6.7	5.1
WSW	1.5	2.0	1.4	.5								5.5	5.7
W	1.4	3.3	1.8	.4	.3							7.7	5.9
WNW	.3	2.4	3.0	.8								6.5	7.4
NW	.8	1.7	.9	.5								3.9	6.0
NNW	1.8	1.8	1.3	.9								5.8	6.2

VARIABLE

CALM	13.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
TOTALS	22.3	30.6	25.2	7.7	1.1	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: OCT HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	1.3	1.7	4.2	2.9	.2						10.3	8.6
NNE	.9	1.8	4.1	1.8	.2						8.8	8.3
NE	.5	2.3	3.5	1.8							8.2	8.1
ENE	.5	1.4	1.7	.4		.1					4.2	7.6
E	.4	1.2	.9	.3							2.8	6.3
ESE	.5	1.4	.3	.1							2.4	4.9
SE	.6	1.1	.9	.1							2.7	5.6
SSE	.4	.4	.3								1.2	4.9
S	1.0	1.8	2.2	1.0							5.9	7.2
SSW	1.3	1.4	1.8	.9	.1						5.5	7.0
SW	1.0	2.6	2.6	3.4	.2						9.8	9.0
WSW	.7	2.2	1.6	1.3	.1						5.7	8.0
W	.5	2.4	2.6	1.8	.4						7.7	8.8
WNW	1.0	1.2	2.7	3.0	.4						8.3	9.7
NW	.6	.9	2.8	2.7	.2						7.2	9.4
NNW	.4	1.3	1.9	1.8	.6						6.1	9.9

VARIABLE												
CALM	////////	////////	////////	////////	////////	////////	////////	////////	////////	////////	3.2	////////
TOTALS	11.6	24.9	34.1	23.4	2.6	.1					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: OCT HOURS(LST): 1200-1400

[illegible]

VARIABLE

NAME	10.0	24.1	37.0	22.0	4.0	3	100.0	8.4
TOTALS	10.0	24.1	37.0	22.0	4.0	3	100.0	8.4

TOTAL NUMBER OF OBSERVATIONS:	930
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GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: OCT HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	1.5	3.5	2.9	.5	.5	.1					9.1	7.2
NNE	1.1	1.2	1.7	.2	.2						4.4	6.9
NE	.3	.9	1.4	.5	.2						3.3	8.5
ENE	.8	.2	1.4	1.2							3.5	8.3
E	1.9	3.1	1.5	1.3							7.8	6.2
ESE	2.6	4.0	1.7	.2							8.5	5.0
SE	2.2	5.2	2.0	.3							9.7	5.3
SSE	1.1	1.0	1.2	.1							3.3	5.5
S	.3	.6	1.2	.6							2.8	7.8
SSW	.2	1.4	2.5	1.4	.2						5.7	9.2
SW	.3	1.4	1.8	1.7	.1						5.4	8.9
WSW	.6	2.4	2.2	1.0	.1						6.2	7.5
W	.6	3.0	3.0	1.7	.4						8.8	8.3
WNW	.2	1.3	3.9	2.0	.4	.1					8.0	9.9
NW		1.3	1.3	2.5							5.1	9.9
NNW	.9	2.2	1.8	1.0	.1						5.9	7.6

VARIABLE

CALM	14.6	32.6	31.5	16.3	2.4	.2					100.0	7.3
TOTALS												

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: OCT HOURS(IST): 1800-2000

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND S
N	2.3	1.6	1.4	.9								6.1	5.7
NNE	.9	1.4	1.0	.3								3.5	5.9
NE	.1	.6	1.1	1.0								2.8	9.0
ENE	.4	.5	1.5	1.7								4.2	9.1
E	1.2	2.2	1.1	.6								5.1	6.4
ESE	1.6	1.1	.3									3.0	3.9
SE	2.7	1.1	.4	.1								4.3	3.8
SSE	3.8	3.3	.9	.1								8.1	4.0
S	4.4	4.7	.9	.2								10.2	4.1
SSW	1.6	2.9	2.3	.6								7.4	6.0
SW	2.8	3.0	.6	.3								6.8	4.6
WSW	2.0	.6	.3	.1								3.1	3.9
W	1.1	1.4	1.9	.6	.4	.1						5.6	8.0
WNW	.9	1.4	1.6	1.2	.1							5.2	8.0
NW	1.3	1.2	1.7	.6								4.8	6.7
NNW	1.3	1.5	1.7	.1								4.6	6.2

VARIABLE	////////////////////	15.2	111111
CALM	////////////////////	15.2	111111
TOTALS	28.3 28.6 18.7 8.4 .8 .1	100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: OCT HOURS(IST): 2100-2300

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-59	TOTAL	MEAN WIND
N	2.0	2.8	2.7	.9								8.4	6.3
NNE	.6	1.5	1.1	.1								3.3	5.9
NE	.3	1.0	1.9	.5								3.8	7.8
ENE	.3	1.5	1.6	.8								4.2	7.5
E	1.0	.9	.4	.6	.1							3.0	6.9
ESE	.5	.4										1.0	2.8
SE	1.0	1.0	.1									2.0	4.0
SSE	.9	1.4	.3									2.6	4.0
S	7.2	5.7	1.4	.2								14.5	3.9
SSW	3.4	3.5	1.5	.4								8.9	4.8
SW	1.5	2.4	1.3	.6								5.8	5.9
WSW	1.7	2.4	.3	.1	.3							4.8	4.9
W	1.3	3.8	1.0	.4	.4							6.9	6.3
WNW	.5	1.9	1.4	.5	.3							4.7	7.5
NW	.4	1.2	1.2	.8								3.5	7.5
NNW	.4	1.8	1.5	.1								3.9	5.9

VARIABLE	TOTALS	23.2	33.1	17.7	6.1	1.2	18.6	100.0	4.6
CALM	18.6	100.0	4.6						

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85 ALL
 MONTH: OCT HOURS(LST):

WIND SPEED IN KNOTS

DIRECTION (DEGREES) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56 TOTAL MEAN WIND

N 2.3 2.9 2.6 1.3 .2 .0 9.4 6.7

NNE .8 1.9 2.6 .8 .1 .0 6.3 7.3

NE .3 1.0 2.4 .8 .0 4.5 8.2

ENE .4 .8 1.2 .7 .0 .0 3.2 7.9

E .9 1.5 1.0 .7 .0 .0 4.2 6.6

ESE .9 1.3 .7 .1 3.0 5.0

SE 1.0 1.5 .7 .1 3.3 5.0

SSE 1.3 1.2 .5 .1 3.1 4.4

S 3.2 3.2 1.3 .4 .0 8.1 4.8

SSW 2.1 2.8 1.7 .8 .1 .0 7.5 6.0

SW 1.5 2.3 1.5 1.2 .1 .0 6.7 7.0

WSW 1.2 2.1 1.2 .5 .1 5.1 6.2

W 1.2 2.8 2.3 1.2 .3 .0 7.8 7.6

WNW .6 1.9 2.3 1.4 .3 .0 6.5 8.5

NW .7 1.2 1.6 1.3 .1 4.8 8.1

NNW 1.2 1.6 1.5 .7 .1 5.3 6.9

VARIABLE

CALM

TOTALS 19.8 30.1 25.1 12.1 1.6 .1 100.0 6.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088		STATION NAME: DOVER AFB DE		PERIOD OF RECORD: 76-85		MONTH: NOV		HOURS(LST): 0000-0200	
DIRECTION (DEGREES)		WIND SPEED IN KNOTS		TOTAL		MEAN		WIND	
1-3		4-6		7-10		11-16		17-21	
22-27		28-33		34-40		41-47		48-55	
56		67		78		89		90	
N		3.2		2.7		2.0		.9	
NNE		1.1		1.2		1.3		.1	
NE		.6		.8		2.0		.1	
ENE		.3		1.7		1.2		.9	
E		.3		.7		.8		.6	
ESE		.4		.4		.2		.2	
SE		.3		.7		.1		.1	
SSE		.9		.9		.3		.3	
S		2.4		3.4		1.3		.3	
SSW		1.9		2.6		3.2		.7	
SW		1.6		1.9		2.0		.6	
WSW		1.9		2.6		1.1		.3	
W		1.8		3.2		2.4		1.4	
WNW		.7		2.8		2.4		1.9	
NW		.6		2.6		3.8		1.4	
NNW		.8		2.4		2.0		.7	

VARIABLE		CALM		TOTALS		TOTAL NUMBER OF OBSERVATIONS: 900	
		18.8		30.4		26.3	
		.1		1.3		.1	
		13.1		100.0		5.7	

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: NOV HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	2.9	2.4	2.7	.9	.1						9.0	6.0
NNE	.7	2.0	1.2	.2							4.1	5.8
NE	.4	1.1	1.2	.1							2.9	6.6
ENE	.2	2.1	1.8	1.4							5.6	8.1
E	.8	.4	.2	.4	.1	.1					2.1	7.5
ESE	.3		.1								.4	3.5
SE	.2	.6		.1							.9	4.6
SSE	.7	1.2	.1								2.0	4.3
S	2.7	2.7	.7								6.0	4.1
SSW	1.0	1.8	2.9	.3	.1						6.1	6.7
SW	1.9	4.0	2.1	1.0	.2						9.2	6.5
WSW	1.7	2.3	1.1	.2							5.3	5.0
W	2.3	3.4	2.7	1.6							10.0	6.5
WNW	1.1	2.4	3.4	2.0							9.0	8.0
NW	.9	3.0	2.0	1.1	.2						7.2	7.0
NNW	1.1	1.7	1.4	1.4	.2						5.9	8.1
TOTALS	18.9	31.2	23.7	10.9	1.0	.1					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: NOV HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.3	2.9	2.8	.9							9.9	5.8
NNE	1.7	2.1	1.4	.1							5.3	5.1
NE	.2	1.2	1.2	.2							2.9	6.9
ENE	.4	.4	1.4	1.2							3.9	8.4
E	.9	.9	1.1	1.1							4.0	7.7
ESE	.2	.2	.3								.8	5.1
SE	.2	.3									.6	3.4
SSE	.7	.4	.3								1.4	4.4
S	1.9	2.0	1.4	.4							5.8	5.3
SSW	1.9	2.4	1.7	.6							6.6	5.7
SW	1.7	2.8	2.0	.6							7.0	5.8
WSW	1.8	3.1	.9	.1							5.9	4.6
W	2.4	4.1	3.2	1.3							11.1	6.5
WNW	.4	3.1	2.3	1.4	.2						7.6	7.9
NW	.6	2.3	2.7	1.8	.2						7.6	8.4
NNW	1.0	1.7	1.4	1.2	.1						5.4	7.6

VARIABLE
 CALM
 TOTALS

14.3
 100.0
 5.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: NOV HOURS(LST): 0900-1100

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN
N	1.8	2.4	4.2	2.1								10.6	7.5
NNE	.3	2.1	2.0	.4								4.9	6.8
NE		1.6	1.8	.4								3.8	7.9
ENE	.6	1.0	1.4	.4								3.4	7.3
E	.6	1.9	1.8	1.8	.6							6.6	9.1
ESE	.8	.7	1.0									2.4	5.5
SE	.8	1.3	.2	.2								2.6	5.0
SSE	.2	.6	.4	.2								1.4	7.2
S	1.2	1.2	1.2	.8	.1							4.6	7.0
SSW	.7	1.4	1.1	2.1								5.3	8.6
SW	.6	.6	2.6	1.7	.2							5.6	9.1
WSW	1.3	.9	1.9	.8								4.9	7.2
W	.7	2.6	5.7	3.7	.6	.1						13.2	9.5
WNW	.6	1.3	4.4	3.6	1.2							11.1	10.5
NW	.3	.7	2.4	3.4	.2							7.1	10.9
NNW		1.0	2.3	4.2	.7							8.2	11.3

VARIABLE	4.3	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
CALC	10.3	21.2	34.6	25.9	3.6	.1						100.0	8.4
TOTALS													

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
MONTH: NOV HOURS(1ST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.7	2.6	4.3	1.2	.1						8.9	7.8
NNE	.2	1.1	1.4	.3							3.1	7.3
NE	.4	.9	1.1	.3							2.8	6.9
ENE	.6	.8	1.7	.9							3.9	8.2
E	1.1	1.7	2.0	1.2	.7	.3					7.0	9.1
ESE	1.6	2.8	1.9	.2							6.4	5.7
SE	.7	.6	1.2	.2							2.7	6.5
SSE	.3	.7	.1								1.1	4.0
S	.8	.7	1.0	.9	.4						3.8	9.5
SSW	1.0	.7	3.0	1.9	.3						6.9	9.0
SW	.3	.8	2.7	2.3							6.1	9.7
WSW	.4	.7	2.0	1.3							4.4	8.5
W	.2	2.1	3.7	5.1	.7						11.8	10.6
WNW	.3	1.3	3.6	4.4	1.7	.3					11.7	11.8
NW	.2	1.0	2.3	5.4	1.6						10.6	12.2
NNW	.3	.7	3.0	2.3	.4						6.8	10.4

VARIABLE 2.1 /

CALM 100.0 9.2

TOTALS 9.2 18.9 35.0 28.2 5.9 .7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724388				STATION NAME: DOVER AFB DE				PERIOD OF RECORD: 76-85					
				MONTH: NOV				HOURS(LST): 1500-1700					
.....													
WIND SPEED IN KNOTS													
DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-58	TOTAL	MEAN WIND
N	.9	3.2	3.1	1.0								8.2	6.8
NNE	.4	1.6	1.7	.2								3.9	6.4
NE	.2	.6	.3	.2								1.3	6.7
ENE	.4	.9	.7	1.0								3.0	7.9
E	1.3	1.4	1.6	1.1	.2	.2						5.9	7.8
ESE	1.2	2.9	1.0	.4	.2							5.8	5.9
SE	1.7	3.3	2.0	.2								7.2	5.5
SSE	.7	.7	.7	.2								2.2	6.2
S	.2	1.0	1.4	.8								3.4	8.7
SSW	.4	2.0	2.3	1.4	.2							6.4	8.4
SW	.6	1.6	2.2	.9								5.2	7.4
WSW	.8	2.6	2.2	.9	.1							6.6	7.1
W	1.2	3.0	3.1	1.6	.4							9.3	7.6
WNW	.3	1.1	3.3	4.7	.4	.1						10.0	10.8
NW	.4	1.2	2.9	4.3	1.4							10.3	11.6
NNW	.1	1.3	2.6	2.7	.1							6.8	9.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: NOV HOURS(LST): 1800-2000

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-66	TOTAL	MEAN WIND
N	2.1	2.7	3.0	.4								8.2	5.6
NNE	1.2	1.4	.7									3.3	4.6
NE	.3	.7	.8	.4								2.2	7.4
ENE	.2	1.0	1.0	1.9								4.1	9.4
E	.2	.9	1.1	1.0	.1							3.3	9.2
ESE	1.3	1.4	.1	.1	.1	.1						3.2	5.3
SE	1.1	1.4	.3	.3								3.2	5.1
SSE	2.3	2.1	.9	.1								5.4	4.3
S	3.0	4.6	1.3	.3	.2							9.4	5.1
SSW	1.6	3.1	1.9	.4								7.0	5.8
SW	1.6	2.8	.7	.1								5.1	4.7
WSW	1.1	1.9	.9	.1								4.0	5.1
W	1.4	2.4	1.4	.7								6.0	5.9
WNW	.7	1.6	4.1	1.7								8.0	8.4
NW	.3	2.4	3.3	2.9	.1							9.1	9.1
NNW	.9	1.6	1.9	.9								5.2	7.1

VARIABLE

CALM	13.0	7.7
TOTALS	19.4	32.0
	23.4	11.4
	.4	.2
	100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 900

PERIOD OF RECORD: 76-85
MONTH: NOV HOURS(LST): 2100-2300

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
MONTH: NOV HOURS(LST): 2100-2300

WIND SPEED IN KNOTS

[illegible][illegible]

NNE	.7	.6	1.3	.3	2.9	6.9
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NE	.2	1.2	1.2	2.7	6.4
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ENE	1.3	1.9	.9	4.1	8.7
ENE	1.3	1.9	.9	4.1	8.7

3	.4	.7	.4	.9	.4	2.9	9.9
---	----	----	----	----	----	-----	-----

9.6 2.0 .1 .7 .6 .3 353

SE	.7	.4	.4	1.6	4.8
SE					
SE					

SS	2.1	1.9	.5	2.	4.6	4.1
3	2.0	4.	4.	3.	0.	5.

	2004	2005	2006	2007	2008	2009	2010
MS	2.6	3.0	2.6	.8	.1	9.3	5.0

SW	1.7	2.0	1.1	.2	5.0	5.0

MSW	2.6	1.3	.9	4.8	4.2
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M	1.4	3.8	1.9	1.1	.1	8.3	6.3
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WNV	.8	2.0	4.0	2.6	.1	9.4	8.7
WNV							

NW	3	2.3	3.4	1.2	.2	7.6	8.2

NNW	.9	2.1	1.8	1.1	.1	6.0	7.4

VARIABLE

CALM	12.9
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TOTALS	19.2	30.2	25.7	10.4	1.3	.2	100.0	5.8
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TOTAL NUMBER OF OBSERVATIONS:	900
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GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE										PERIOD OF RECORD: 76-85				ALL	
										MONTH: NOV				HOURS(LST):	
										WIND SPEED IN KNOTS					
										22-27				28-33	
										11-16				17-21	
										7-10				4-6	
										1-3				4-6	
DIRECTION (DEGREES)										1-3				4-6	
										2.0				2.6	
										3.1				1.0	
										.0					
N															
NNE										.8				1.5	
										1.4				.2	
NE										.3				1.0	
										1.2				.2	
ENE										.3				1.2	
										1.4				1.1	
										.0					
E										.7				1.1	
										1.1				1.0	
										.3				.1	
ESE										.8				1.2	
										.7				.7	
										.1				.0	
SE										.7				1.1	
										.5				.1	
SSE										1.0				1.1	
										.4				.1	
S										1.9				2.5	
										1.2				.5	
										.1				.0	
SSW										1.4				2.1	
										2.3				1.0	
										.1					
SW										1.2				2.0	
										1.9				.9	
										.1					
WSW										1.4				1.9	
										1.4				.5	
										.0					
W										1.4				3.1	
										3.0				2.1	
										.2				.0	
WNW										.6				2.0	
										3.5				2.8	
										.5				.1	
NW										.5				1.9	
										2.9				2.7	
										.5					
NNW										.6				1.6	
										2.1				1.8	
										.2					

VARIABLE

CALP // 9.8 //

TOTALS 15.8 27.8 28.0 16.2 2.2 .2 100.0 6.7

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH		PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS													
AIR WEATHER SERVICE/HAC															
STATION NUMBER: 724088		STATION NAME: DOVER AFB DE		PERIOD OF RECORD: 76-85 MONTH: DEC HOURS(IST): 0300-0500											
DIRECTION (DEGREES)		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN	WIND
N		2.5	3.7	2.0	1.0								9.1	5.8	
NNE		.9	1.7	1.2	.4								4.2	6.2	
NE		.3	1.0	.6									1.9	5.6	
ENE		.1	.8	.5	.4								1.8	8.1	
E		.6	.4	.3	.5								1.9	6.8	
ESE		.1		.5									.6	6.8	
SE		.3	.5	.1									1.0	4.3	
SSE		.6	.5	.2	.1								1.5	4.8	
S		3.1	3.2	.4	.5								7.3	4.5	
SSW		1.7	3.0	2.3	1.7	.2							8.9	7.1	
SW		1.1	2.0	1.6	1.0		.1						5.8	7.3	
WSW		2.3	1.8	2.4	.2								6.7	5.5	
W		1.0	2.9	3.5	1.4	1.1	.2						10.1	9.0	
WNW		.8	2.6	2.8	2.9	.6	.2						9.9	9.6	
NW		1.2	2.5	1.8	2.0	.1	.1						7.7	8.1	
NNW		1.0	2.2	2.7	1.3	.1	.2						7.4	8.0	
VARIABLE															
CALM		////////////////////													
TOTALS		17.5	28.8	23.1	13.5	2.2	.9						100.0	6.2	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: DEC HOURS(IST): 0600-0800

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN	WIND
N	1.9	3.5	1.8	1.4								8.7	6.6	
NNE	.9	1.4	1.4									3.7	5.7	
NE	.4	.5	.9	.1								1.9	5.9	
ENE	.5	1.0	.8	.1								2.4	5.5	
E	.5	.1	.6	.8								2.0	8.8	
ESE	.1	.5	.1									.8	4.9	
SE	.2	.6	.4	.1								1.4	6.3	
SSE	.3	.9	.1	.1								1.4	5.2	
S	1.3	2.9	.4	.8								5.4	5.8	
SSW	2.2	3.9	1.9	1.5	.4							9.9	6.9	
SW	1.3	2.2	2.2	.6	.5							6.8	7.3	
WSW	1.7	1.1	1.2	.3								4.3	5.0	
W	2.6	2.9	3.8	1.4	.6							11.3	7.2	
WNW	1.0	1.6	2.3	2.3	.9	.2						8.2	10.1	
NW	.4	1.6	2.7	2.4	.4	.3	.1					8.0	10.3	
NNW	1.5	4.3	3.1	.9	.3	.1						10.2	7.2	

VARIABLE	13.8	100.0	6.3
CALM	16.9	29.0	23.7
TOTALS	12.7	3.2	.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: DEC HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	1.4	2.5	3.7	2.7	.2							8.2
NNE	.6	.9	2.4	.5								7.2
NE	.5	1.0	.9	.1								6.0
ENE	.5	1.6	1.1	.3								5.9
E	.2	1.5	1.4	.5								7.2
ESE		.5	.1	.3								8.3
SE	.4	.1	.3		.1							6.2
SSE	.3	.3	.2	.1								5.8
S	.9	2.7	1.2	.3								5.9
SSW	.9	1.7	2.3	2.2	.2	.2						9.1
SW	1.1	1.8	3.1	3.2	.3							9.1
WSW	6	1.6	1.7	.6								7.0
W	1.5	2.3	3.3	2.8	.6	.1						8.8
WNW	.8	1.0	2.5	2.9	1.7	1.0						12.6
NW	.1	.9	2.4	4.3	1.5	.3						12.5
NNW	.2	1.5	2.9	3.3	1.8	.2						11.5

VARIABLE											6.0
CALP											100.0
TOTALS	10.1	21.8	29.4	24.3	6.6	1.8					8.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: DEC HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	1.0	1.6	3.3	2.9	.3						9.1	9.2
NNE	.4	1.0	.8	.1							2.3	6.2
NE	.2	.6	.5	.2							1.6	6.6
ENE	.3	1.4	1.3	.2	.1						3.3	6.5
E	.6	1.9	1.2	.4							4.2	6.4
ESE	.6	.6	1.0	.1							2.4	6.1
SE	.4	1.4	.6	.4							2.9	6.5
SSE	.4	.3	.1								.9	3.8
S	.3	.8	1.2	.5	.1						2.9	7.9
SSW	.6	1.4	4.2	3.1	.1	.1					9.6	9.5
SW	.4	1.4	3.0	3.1	.8						8.7	10.4
WSW	.8	1.7	2.6	1.0							6.0	7.6
W	1.1	1.9	4.3	3.8	.2	.2					11.5	9.3
WNW	.1	1.3	3.1	4.3	1.6	1.4					11.8	13.2
NW	.3	.9	2.2	3.8	1.9	.8					9.8	13.1
NNW	.3	1.6	2.5	3.8	1.9	.2					10.3	11.7

VARIABLE

CALM	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
TOTALS	8.1	19.9	31.8	27.7	7.1	2.7					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088		STATION NAME: DOVER AFB DE										PERIOD OF RECORD: 76-85			
												MONTH: DEC			
												HOURS(IST): 1500-1700			
												WIND SPEED IN KNOTS			
DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN	WIND	
N	1.5	3.5	2.7	1.8	.1							9.7	6.9		
NNE	.8	.6	1.4	.2								3.0	6.1		
NE		.3	.1									.4	5.5		
ENE	.9	.3	.9	.1								2.2	5.8		
E	1.2	2.0	1.5	.6	.2							5.6	6.8		
ESE	2.0	2.2	.4	.1								4.7	4.2		
SE	1.0	1.3	.3	.3								2.9	5.3		
SSE	.5	.8	.3									1.6	4.1		
S	.9	1.2	1.3	.8	.1							4.2	7.6		
SSW	.4	2.8	3.4	1.9	.3							8.9	8.6		
SW	1.1	1.7	1.2	1.3	.2	.1						5.6	8.1		
WSW	1.1	2.3	1.6	.5	.1							5.6	6.4		
W	1.3	3.0	3.3	2.0	.3							10.0	8.0		
WNW	.3	2.6	3.4	4.6	1.2	1.3	.1					13.5	12.1		
NW	.3	.6	2.5	3.5	.9	.3						8.2	12.0		
NNW	.8	1.9	3.2	2.6	.4	.1						9.0	9.5		
.....															
VARIABLE															
.....															
CALM	////////////////////													4.8	////
TOTALS	14.0	27.2	27.6	20.5	3.8	1.9	.1					100.0	8.0		
.....															

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724089 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: DEC HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.2	2.4	2.4	1.0							6.9	6.8
NNE	.5	1.0	1.1	.5							3.1	6.9
NE	.1	.3	.6								1.1	7.3
ENE	.1	.6	.8	.2							1.7	6.8
E	.5	.2	.5	.5	.1						1.9	8.2
ESE	.4	.4	.3	.1							1.3	5.3
SF	1.2	.4									1.6	3.0
SSE	1.4	1.0	.3								2.7	3.8
S	3.2	3.8	1.7	.3							9.0	5.0
SSW	1.7	2.0	2.7	1.1	.2	.1					7.8	7.3
SW	1.8	1.8	1.3	1.8	.1						6.9	7.1
WSW	.5	.9	.4	.1							1.9	4.9
W	1.4	2.7	2.5	2.7	.4	.2					9.9	8.5
WNW	.5	1.7	4.0	3.3	.6	.1					10.3	9.9
NW	.6	2.8	2.7	1.8	.4	.2					8.6	9.0
NNW	1.3	2.2	2.0	1.4	.1						7.0	7.7

VARIABLE											18.2	////
CALM											100.0	6.0
TOTALS	16.7	24.2	23.3	14.9	1.9	.8						

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
 MONTH: DEC HOURS(IST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	1.8	2.6	2.7	1.6	.1						8.7	7.1
NNE	.7	1.1	1.3	.3							3.4	6.4
NE	.2	.6	.6	.1							1.5	6.3
ENE	.3	.9	.9	.2	.0						2.3	6.3
E	.6	1.0	.7	.6	.1						2.9	7.2
ESE	.6	.8	.3	.1							1.7	5.0
SE	.8	.8	.3	.1	.0						2.0	4.9
SSE	.9	.7	.3	.0							1.9	4.2
S	1.9	2.5	1.0	.5	.0	.0					5.9	5.5
SSW	1.6	2.6	2.8	1.8	.2	.1					9.0	7.7
SW	1.1	1.6	2.0	1.7	.3	.0					6.7	8.4
WSW	1.3	1.6	1.5	.5	.0	.0					4.9	6.1
W	1.5	2.6	3.3	2.1	.6	.1					10.1	8.4
WNW	.7	1.9	3.1	3.3	1.0	.6	.0				10.6	11.0
NW	.6	1.8	2.5	2.6	.8	.3	.0				8.6	10.4
NNW	1.0	2.3	2.5	2.0	.7	.1					8.5	9.0

VARIABLE												
CALC	15.3	25.2	25.6	17.5	3.9	1.2	.0				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 7440

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 1800														
≥ 1500							91.0							92.6
≥ 1200														
≥ 1000														
≥ 900														
≥ 800														
≥ 700														
≥ 600														
≥ 500										97.4				98.1
≥ 400														
≥ 300														
≥ 200														
≥ 100														
0					95.4		96.9			98.3				100.0

EXAMPLE # 1

Read ceiling values independently of visibility under column at right headed ≥ 0.
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2

Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3

To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus, 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(IST): 0300-0500

VISIBILITY IN STATUTE MILES									
IN	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4
NO CEIL	1	7.4	46.8	48.8	49.6	49.7	49.8	50.0	50.1
GE 20000	7.6	52.2	54.5	55.4	55.5	55.6	55.9	56.0	56.0
GE 18000	7.6	52.2	54.5	55.4	55.5	55.6	55.9	56.0	56.0
GE 16000	7.6	52.2	54.5	55.4	55.5	55.6	55.9	56.0	56.0
GE 14000	7.6	52.2	54.5	55.4	55.5	55.6	55.9	56.0	56.0
GE 12000	7.8	53.4	55.8	56.7	56.8	56.9	57.2	57.4	57.5
GE 10000	8.1	58.4	60.8	61.6	61.8	61.9	62.3	62.5	62.6
GE 9000	8.3	58.9	61.3	62.2	62.4	62.5	62.8	63.0	63.1
GE 8000	8.7	61.4	63.8	64.6	64.8	64.9	65.3	65.6	65.7
GE 7000	8.7	62.6	64.9	65.8	66.0	66.1	66.5	66.8	66.9
GE 6000	8.7	63.1	65.5	66.3	66.6	66.7	67.0	67.3	67.4
GE 5000	8.7	65.5	68.0	69.0	69.5	69.6	70.0	70.3	70.4
GE 4500	8.8	66.8	69.2	70.3	70.8	70.9	71.3	71.6	71.7
GE 4000	9.1	71.6	74.3	75.5	76.2	76.3	77.0	77.4	77.5
GE 3500	9.1	72.5	75.2	76.3	77.2	77.3	78.0	78.4	78.5
GE 3000	9.1	74.6	77.4	78.7	80.1	80.2	80.9	81.3	81.4
GE 2500	9.1	75.7	78.8	80.1	81.8	81.9	82.6	83.1	83.2
GE 2000	9.1	76.6	80.0	81.5	83.2	83.5	84.4	84.9	85.2
GE 1800	9.1	76.8	80.3	81.8	83.7	84.0	84.8	85.4	85.6
GE 1500	9.1	76.9	80.4	82.3	84.6	85.2	86.0	86.7	87.0
GE 1200	9.1	77.6	81.2	83.1	85.9	86.5	87.4	88.2	88.5
GE 1000	9.1	78.2	81.8	83.9	86.9	87.4	88.7	89.7	89.8
GE 900	9.1	78.2	81.9	84.0	87.1	87.6	89.1	90.1	90.2
GE 800	9.1	78.6	82.4	84.6	87.8	88.4	90.0	91.0	91.1
GE 700	9.1	78.7	82.9	85.3	88.5	89.0	91.0	92.0	92.3
GE 600	9.1	78.7	82.9	85.5	88.8	89.5	91.4	92.5	92.7
GE 500	9.1	78.9	83.3	86.2	89.8	90.5	92.6	94.1	94.4
GE 400	9.1	78.9	83.3	86.2	89.9	90.6	92.9	94.6	94.9
GE 300	9.1	78.9	83.3	86.2	90.1	90.9	93.3	95.5	95.8
GE 200	9.1	78.9	83.3	86.2	90.1	90.9	94.0	96.2	96.6
GE 100	9.1	78.9	83.3	86.2	90.1	90.9	94.0	96.3	96.7
GE	01	78.9	83.3	86.2	90.1	90.9	94.0	96.3	96.7

TOTAL NUMBER OF OBSERVATIONS: 930

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GLOBAL CLIMATOLOGY BRANCH USAF/ETAC AIR WEATHER SERVICE/MAC	PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS
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STATION NUMBER: 724086 STATION NAME: COVER AFB DE
PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(DST): 1200-1400

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE <td>GE</td>	GE	
		10	6	5	4	3	2	1 1/2	1	3/4	5/8						

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/CIAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(LST): 1500-1700

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	10	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO CEIL	6.5	44.3	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 20000	6.9	50.9	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 18000	7.0	51.4	52.2	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 16000	7.1	51.6	52.4	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 14000	7.1	52.9	53.7	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 12000	7.1	54.5	55.3	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 10000	7.4	58.4	59.2	59.6	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 9000	7.4	60.1	61.0	61.3	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 8000	7.5	63.1	64.3	64.8	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 7000	7.5	64.7	66.1	66.7	67.0	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 6000	7.5	66.1	67.5	68.1	68.4	68.4	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 5000	7.6	68.8	70.3	71.0	71.3	71.3	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 4500	7.7	70.0	71.6	72.3	72.6	72.6	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 4000	7.8	72.5	74.7	75.4	76.1	76.1	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 3500	8.3	75.7	78.2	79.0	79.8	79.8	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 3000	8.3	77.0	79.9	80.9	81.6	81.7	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 2500	8.4	77.7	80.8	81.9	82.9	83.1	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 2000	8.4	78.6	81.8	83.2	84.3	84.5	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 1800	8.4	78.6	82.0	83.4	84.7	84.9	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 1500	8.4	78.8	82.8	84.6	86.2	86.6	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 1200	8.4	79.5	84.2	86.1	87.7	88.1	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 1000	8.4	79.8	84.7	86.8	88.7	89.0	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 900	8.4	79.8	84.8	86.9	88.9	89.4	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 800	8.4	79.8	84.9	87.1	89.5	89.9	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 700	8.4	79.8	85.1	87.3	89.7	90.1	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 600	8.4	79.8	85.1	87.3	89.7	90.2	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 500	8.4	79.9	85.2	87.6	90.1	90.9	92.4	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 400	8.4	79.9	85.2	87.6	90.3	91.3	92.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 300	8.4	79.9	85.2	87.7	90.5	91.5	93.2	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 200	8.4	79.9	85.2	87.7	90.5	91.5	93.3	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 100	8.4	79.9	85.2	87.7	90.5	91.5	93.3	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 0	8.4	79.9	85.2	87.7	90.5	91.5	93.3	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(S): 1800-2000

CEILING IN FEET VISIBILITY IN STATUTE MILES

IN FEET	1	GE	10	GE	6	GE	5	GE	4	GE	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	6.3	49.5	50.0	50.4	51.0	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
GE 20000	7.0	54.7	55.3	55.7	56.2	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	
GE 18000	7.0	54.9	55.5	55.9	56.5	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	
GE 16000	7.0	54.9	55.5	55.9	56.5	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	
GE 14000	7.0	55.9	56.5	56.9	57.4	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	
GE 12000	7.0	57.2	57.7	58.2	58.7	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	
GE 10000	7.2	59.7	60.5	61.2	61.7	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	
GE 9000	7.2	60.2	61.1	61.7	62.3	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	
GE 8000	7.5	63.3	64.3	65.1	65.6	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	
GE 7000	7.5	64.2	65.2	65.9	66.5	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	
GE 6000	7.6	64.9	66.0	67.2	67.7	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	
GE 5000	8.0	68.7	69.8	71.0	71.5	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	
GE 4500	8.0	69.1	70.4	71.6	72.2	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	
GE 4000	8.0	73.1	75.1	76.3	77.3	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	
GE 3500	8.0	74.8	77.3	78.6	79.8	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	
GE 3000	8.0	76.1	78.8	80.1	81.4	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	
GE 2500	8.0	77.2	80.2	81.5	82.8	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	
GE 2000	8.0	78.0	81.6	83.2	84.7	84.8	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
GE 1800	8.0	78.3	81.9	83.8	85.4	85.5	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	
GE 1500	8.0	78.7	82.6	84.5	86.2	86.3	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	
GE 1200	8.0	78.9	83.1	85.1	86.9	87.0	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
GE 1000	8.0	79.1	83.7	86.1	88.0	88.2	88.4	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	
GE 900	8.0	79.1	83.8	86.3	88.2	88.4	88.7	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	
GE 800	8.0	79.2	84.0	87.0	89.4	89.6	89.9	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	
GE 700	8.0	79.5	84.3	87.6	90.2	90.4	90.8	91.3	91.4	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	
GE 600	8.0	79.5	84.3	88.0	90.5	90.8	91.1	91.6	91.7	91.8	92.0	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	
GE 500	8.0	79.6	84.4	88.2	91.1	91.4	92.4	93.0	93.1	93.5	93.9	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	
GE 400	8.0	79.8	84.6	88.6	91.9	92.3	93.4	94.6	94.8	95.3	95.8	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	
GE 300	8.0	79.8	84.6	88.6	91.9	92.4	93.7	95.2	95.6	96.1	96.9	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	
GE 200	8.0	79.8	84.6	88.6	92.0	92.5	93.9	95.7	96.5	97.0	97.8	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	
GE 100	8.0	79.8	84.6	88.6	92.0	92.5	94.0	95.9	96.7	97.2	98.4	98.5	99.1	99.4	99.5	99.5	99.5	99.5	99.5	
GE CI	8.0	79.8	84.6	88.6	92.0	92.5	94.0	95.9	96.7	97.2	98.4	98.5	99.1	99.4	99.5	99.5	99.5	99.5	99.5	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(UT): 0000-0200

		VISIBILITY IN STATUTE MILES											
CEILING		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET		10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	1/4
		0											0
NO CEIL		5.6	50.0	51.8	52.1	52.6	53.0	53.0	53.0	53.1	53.1	53.1	53.2
GE 20000	5.6	54.1	55.9	56.3	57.0	57.1	57.4	57.4	57.4	57.6	57.6	57.6	57.7
GE 18000	5.6	54.1	55.9	56.3	57.1	57.2	57.6	57.6	57.6	57.7	57.7	57.7	57.8
GE 16000	5.6	54.1	55.9	56.3	57.1	57.2	57.6	57.6	57.6	57.7	57.7	57.7	57.8
GE 14000	5.6	54.7	56.5	56.9	57.7	57.8	58.2	58.2	58.3	58.3	58.3	58.3	58.4
GE 12000	5.6	55.2	57.0	57.3	58.3	58.4	58.7	58.7	58.9	58.9	58.9	58.9	59.0
GE 10000	5.7	58.3	60.2	60.5	61.6	61.7	62.2	62.2	62.3	62.3	62.3	62.3	62.4
GE 9000	5.7	58.9	60.8	61.1	62.2	62.3	62.8	62.8	62.9	62.9	62.9	62.9	63.0
GE 8000	5.9	60.3	62.4	63.0	64.1	64.2	64.7	64.7	64.8	64.8	64.8	64.8	64.9
GE 7000	6.0	61.3	63.9	64.5	65.6	65.7	66.2	66.2	66.3	66.3	66.3	66.3	66.4
GE 6000	6.0	61.8	64.4	65.0	66.1	66.2	66.7	66.7	66.8	66.8	66.8	66.8	66.9
GE 5000	6.1	65.4	68.0	68.6	69.6	69.7	70.2	70.2	70.3	70.3	70.3	70.3	70.4
GE 4500	6.1	66.2	68.8	69.4	70.4	70.6	71.0	71.0	71.2	71.2	71.2	71.2	71.3
GE 4000	6.1	69.6	73.0	73.6	74.8	75.1	75.5	75.5	75.7	75.7	75.7	75.7	75.8
GE 3500	6.3	70.8	74.7	75.3	76.7	77.0	77.5	77.5	77.7	77.7	77.7	77.7	77.8
GE 3000	6.3	71.6	75.7	76.2	77.8	78.0	78.7	78.7	78.8	78.8	78.8	78.8	79.0
GE 2500	6.4	72.2	76.6	77.4	79.2	79.4	80.1	80.3	80.4	80.4	80.4	80.4	80.5
GE 2000	6.4	73.0	77.8	78.7	80.7	81.0	81.9	82.0	82.2	82.2	82.2	82.2	82.3
GE 1800	6.4	73.6	78.5	79.4	81.4	81.7	82.6	82.7	82.9	82.9	82.9	82.9	83.0
GE 1500	6.4	73.8	78.8	79.8	81.8	82.0	83.1	83.1	83.3	83.5	83.5	83.5	83.6
GE 1200	6.4	74.5	79.6	80.5	82.5	82.7	83.7	84.0	84.2	84.5	84.8	84.8	84.9
GE 1000	6.4	74.5	79.8	80.7	83.0	83.5	84.5	84.9	85.0	85.5	85.7	85.7	85.9
GE 900	6.4	74.6	79.9	80.9	83.1	83.6	84.6	85.0	85.1	85.7	85.9	85.9	86.2
GE 800	6.4	74.7	80.0	81.0	83.2	83.7	85.0	85.3	85.5	86.3	86.5	86.5	86.8
GE 700	6.4	74.7	80.0	81.2	83.6	84.2	85.6	85.9	86.1	87.1	87.4	87.5	87.7
GE 600	6.4	74.7	80.1	81.3	83.7	84.3	85.8	86.2	86.3	87.4	87.6	87.7	87.9
GE 500	6.4	74.7	80.3	81.6	84.6	85.3	87.5	88.2	88.3	89.4	89.8	90.2	90.4
GE 400	6.4	74.7	80.4	81.7	85.1	85.9	88.4	89.2	89.5	90.5	91.0	91.4	91.6
GE 300	6.4	74.7	80.5	82.0	85.7	86.6	89.4	90.7	91.0	92.7	93.3	94.1	94.6
GE 200	6.4	74.7	80.5	82.0	86.1	87.4	90.1	91.6	92.3	94.4	95.3	96.1	96.6
GE 100	6.4	74.7	80.5	82.0	86.1	87.4	90.2	91.8	92.6	94.7	95.5	96.5	97.4
GE 0	6.4	74.7	80.5	82.0	86.1	87.4	90.2	91.8	92.6	94.7	95.5	96.5	97.4

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(IST): 0300-0500

CEILING VISIBILITY IN STATUTE MILES
IN FEET 10 1/2 1 1/4 1 3/4 5/8 1/2 5/16 1/4 0

NO	CEIL	1	5.0	49.1	50.7	51.3	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9	52.0	52.1	52.1
GE	20000	5.2	52.8	54.6	55.2	55.7	55.7	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.9	56.0	56.0
GE	18000	5.2	52.8	54.6	55.2	55.9	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.1	56.3	56.3
GE	16000	5.2	52.8	54.6	55.2	55.9	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.1	56.3	56.3
GE	14000	5.2	53.2	55.0	55.6	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.5	56.6	56.6
GE	12000	5.3	54.4	56.4	57.0	57.9	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.2	58.3	58.3
GE	10000	5.7	57.7	59.8	60.4	61.3	61.3	61.7	61.8	61.9	61.9	61.9	61.9	61.9	62.1	62.2	62.3
GE	9000	5.7	58.0	60.2	60.8	61.7	61.7	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.4	62.5	62.6
GE	8000	5.8	59.8	61.9	62.5	63.7	63.7	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.5	64.7	64.8
GE	7000	6.0	61.3	63.6	64.2	65.4	65.4	65.7	66.0	66.1	66.1	66.1	66.1	66.1	66.2	66.3	66.4
GE	6000	6.1	61.9	64.2	64.8	66.0	66.0	66.3	66.5	66.7	66.7	66.7	66.7	66.7	66.8	66.9	67.0
GE	5000	6.1	64.5	66.8	67.4	68.6	68.7	69.1	69.4	69.5	69.5	69.5	69.5	69.5	69.6	69.7	69.9
GE	4500	6.1	65.6	68.0	68.7	69.9	70.0	70.4	70.7	70.8	70.8	70.8	70.8	70.8	70.9	71.0	71.2
GE	4000	6.3	69.0	72.0	72.8	74.2	74.6	75.4	75.7	75.8	75.8	75.8	75.8	75.8	75.9	76.0	76.1
GE	3500	6.6	70.0	73.0	73.9	75.7	76.0	76.8	77.2	77.3	77.3	77.3	77.3	77.3	77.4	77.5	77.7
GE	3000	6.6	71.9	74.9	75.8	77.7	78.0	78.8	79.4	79.6	79.6	79.6	79.6	79.6	79.7	79.8	79.9
GE	2500	6.6	72.1	75.4	76.5	78.8	79.3	80.1	80.7	80.9	80.9	80.9	80.9	81.0	81.1	81.2	
GE	2000	6.6	72.7	76.1	77.3	79.7	80.3	81.1	81.7	81.8	81.8	81.8	81.8	81.9	82.0	82.2	
GE	1800	6.6	72.8	76.2	77.4	79.8	80.4	81.2	81.8	81.9	81.9	81.9	81.9	82.0	82.2	82.3	
GE	1500	6.6	73.2	76.7	77.9	80.3	80.9	81.7	82.3	82.4	82.4	82.4	82.4	82.5	82.6	82.7	
GE	1200	6.6	73.4	77.4	78.6	81.2	81.8	82.7	83.3	83.5	83.5	83.5	83.5	83.6	83.7	83.8	
GE	1000	6.6	73.6	77.8	79.0	81.7	82.3	83.3	84.0	84.2	84.3	84.3	84.3	84.4	84.5	84.6	
GE	900	6.6	73.8	78.0	79.3	82.0	82.6	83.8	84.5	84.6	84.8	84.9	84.9	85.0	85.1	85.2	
GE	800	6.6	73.9	78.1	79.4	82.6	83.2	84.6	85.5	85.6	85.7	86.1	86.1	86.2	86.3	86.4	
GE	700	6.6	74.0	78.3	79.8	83.1	83.7	85.5	86.3	86.4	86.6	87.1	87.1	87.2	87.4	87.5	
GE	600	6.6	74.1	78.5	80.0	83.3	83.9	85.7	86.5	86.6	86.9	87.4	87.4	87.5	87.6	87.7	87.8
GE	500	6.6	74.1	78.6	80.1	84.3	85.1	87.4	88.4	88.7	89.0	89.5	89.5	89.6	89.7	89.8	90.1
GE	400	6.6	74.2	78.7	80.4	85.1	86.2	89.0	90.2	90.4	90.8	91.4	91.4	91.6	91.8	92.0	92.3
GE	300	6.6	74.3	78.8	80.5	85.2	86.3	89.6	91.0	91.6	92.0	92.8	92.8	93.4	93.7	94.0	94.3
GE	200	6.6	74.3	79.0	80.6	85.6	86.6	90.1	91.6	92.6	93.3	94.1	94.1	94.8	95.2	95.5	96.2
GE	100	6.6	74.3	79.0	80.6	85.8	87.0	90.4	92.0	92.9	94.1	95.3	95.3	96.5	96.9	97.3	99.8
GE	01	6.6	74.3	79.0	80.6	85.8	87.0	90.4	92.0	92.9	94.1	95.3	95.3	96.5	96.9	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86
 MONTH: FEB HOURS: 1517: 0600-0800

CEILING VISIBILITY IN STATUTE MILES

IN FEET 10 6 5 4 3 2 1 1/2 1 3/4 1 1/4 1 1/2 5/8 1/2 5/16 1/4 0

NO CEIL	1	3.9	44.9	46.8	47.8	48.6	48.9	49.1	49.1	49.1	49.1	49.1	49.2	49.2	49.2	49.3	49.3	49.3	49.3	49.5
GE 20000	4.0	49.9	52.1	53.5	54.5	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.4
GE 18000	4.0	49.9	52.1	53.7	54.7	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.7
GE 16000	4.1	50.0	52.4	53.9	55.0	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.9
GE 14000	4.1	50.5	52.8	54.4	55.4	55.8	55.9	55.9	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.4
GE 12000	4.1	50.7	53.1	54.8	56.0	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7	57.1
GE 10000	4.3	54.1	57.0	59.1	60.6	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.3	61.3	61.5	61.5	61.6	61.6	61.8
GE 9000	4.5	54.4	57.2	59.3	60.9	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.5	61.6	61.6	61.7	61.8	61.8	61.8	62.1
GE 8000	4.6	56.9	59.9	62.2	63.7	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.5	64.5	64.5	64.7	64.8	64.8	64.8	65.0
GE 7000	4.7	58.3	61.5	63.8	65.6	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.4	66.4	66.4	66.5	66.7	66.7	66.7	66.9
GE 6000	4.7	58.5	61.8	64.4	66.3	66.3	66.4	66.9	66.9	66.9	66.9	66.9	67.0	67.1	67.1	67.3	67.4	67.4	67.4	67.6
GE 5000	4.7	60.6	64.1	66.7	68.6	68.9	69.4	69.5	69.5	69.5	69.5	69.5	69.6	69.9	69.9	70.0	70.1	70.1	70.1	70.4
GE 4500	4.7	61.0	64.5	67.1	69.0	69.4	69.9	70.0	70.0	70.0	70.0	70.0	70.1	70.3	70.3	70.4	70.6	70.6	70.6	70.9
GE 4000	4.7	64.4	68.6	71.5	73.4	73.8	74.6	74.8	74.8	74.8	74.8	74.8	75.1	75.3	75.3	75.4	75.5	75.5	75.5	75.9
GE 3500	4.8	65.2	69.5	72.5	74.3	74.8	75.9	76.1	76.1	76.1	76.1	76.1	76.5	76.8	76.8	77.1	77.2	77.2	77.2	77.5
GE 3000	5.1	66.3	70.9	73.9	75.9	76.4	77.4	77.8	77.8	77.8	77.8	77.8	78.4	78.7	78.7	79.0	79.1	79.1	79.1	79.4
GE 2500	5.1	66.7	71.3	74.3	76.4	76.8	77.9	78.3	78.3	78.3	78.3	78.3	79.2	79.2	79.2	79.4	79.6	79.6	79.6	79.9
GE 2000	5.1	66.8	71.5	74.6	77.0	77.5	78.7	79.1	79.1	79.1	79.1	79.1	80.0	80.0	80.0	80.3	80.4	80.4	80.4	80.7
GE 1800	5.1	66.8	71.5	74.6	77.0	77.5	78.7	79.1	79.1	79.1	79.1	79.1	80.0	80.0	80.0	80.3	80.4	80.4	80.4	80.7
GE 1500	5.1	66.9	71.7	74.8	77.2	77.8	79.0	79.3	79.3	79.3	79.3	79.3	80.3	80.3	80.3	80.5	80.6	80.6	80.6	81.0
GE 1200	5.1	67.0	72.0	75.1	77.4	78.3	79.6	80.0	80.0	80.0	80.0	80.0	81.4	81.4	81.4	81.7	81.8	81.8	81.8	82.2
GE 1000	5.1	67.1	72.5	75.7	78.1	79.0	80.3	80.7	80.7	80.7	80.7	80.7	82.2	82.2	82.2	82.4	82.6	82.6	82.6	83.0
GE 900	5.1	67.1	72.6	75.8	78.4	79.2	80.7	81.2	81.2	81.2	81.2	81.2	82.6	82.6	82.6	82.9	83.1	83.1	83.1	83.5
GE 800	5.1	67.3	72.8	76.2	79.3	80.3	81.9	82.4	82.4	82.4	82.4	82.4	83.8	83.8	83.8	84.0	84.3	84.3	84.3	84.6
GE 700	5.1	67.3	72.9	76.5	79.8	81.0	82.7	83.2	83.2	83.2	83.2	83.2	84.6	84.6	84.6	84.9	85.1	85.1	85.1	85.5
GE 600	5.1	67.3	73.0	76.7	80.0	81.2	83.0	83.5	83.5	83.5	83.5	83.5	84.9	85.0	85.2	85.5	85.5	85.5	85.5	85.9
GE 500	5.1	67.8	73.9	77.5	81.7	82.9	84.9	85.8	85.8	85.8	85.8	85.8	87.6	87.6	87.7	88.2	88.4	88.5	88.5	88.9
GE 400	5.1	68.1	74.1	77.8	81.9	83.2	86.3	88.1	88.1	88.1	88.1	88.1	90.0	90.1	90.1	90.5	90.8	91.0	91.0	91.4
GE 300	5.1	68.1	74.2	78.3	82.6	84.0	87.8	90.0	90.0	90.0	90.0	90.0	92.0	93.1	93.3	94.2	94.6	94.8	94.8	95.3
GE 200	5.1	68.1	74.2	78.4	82.7	84.3	88.2	90.4	91.3	91.3	91.3	91.3	92.8	94.4	94.6	95.6	96.1	96.5	96.5	97.4
GE 100	5.1	68.1	74.2	78.4	82.7	84.3	88.2	90.4	91.3	91.3	91.3	91.3	92.8	94.4	94.6	95.9	96.3	97.0	97.0	99.5
GE 0	5.1	68.1	74.2	78.4	82.7	84.3	88.2	90.4	91.3	91.3	91.3	91.3	92.8	94.4	94.6	95.9	96.3	97.0	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS: 0900-1100

VISIBILITY IN STATUTE MILES

CEILING	IN	1	GE	10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0
FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0	
NO CEIL	4.3	45.5	46.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	
GE 20000	4.7	51.7	53.3	54.5	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	
GE 18000	4.7	52.0	53.7	54.8	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	
GE 16000	4.7	52.2	53.9	55.1	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	
GE 14000	4.7	53.2	54.8	56.0	56.1	56.1	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	
GE 12000	5.1	54.4	56.0	57.3	57.4	57.4	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	
GE 10000	5.1	58.7	60.8	62.1	62.4	62.4	62.5	62.5	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	
GE 9000	5.1	59.2	61.2	62.5	62.9	62.9	63.0	63.0	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2	
GE 8000	5.3	61.0	63.1	64.5	65.0	65.0	65.1	65.1	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.4	
GE 7000	5.6	63.2	65.6	67.1	67.6	67.6	67.7	67.7	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	
GE 6000	5.6	64.7	67.1	68.8	69.3	69.3	69.4	69.4	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	
GE 5000	5.6	66.8	69.5	71.2	71.6	71.6	71.7	71.7	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	
GE 4500	5.6	67.0	69.9	71.6	72.1	72.1	72.2	72.2	72.2	72.2	72.5	72.5	72.5	72.5	72.5	72.5	
GE 4000	5.6	69.4	72.7	74.7	75.4	75.4	76.2	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	
GE 3500	5.6	70.0	73.3	75.3	76.0	76.0	76.4	76.4	76.4	76.4	77.2	77.4	77.4	77.4	77.4	77.4	
GE 3000	5.8	70.8	74.2	76.2	77.0	77.0	77.3	77.3	77.3	77.3	79.0	79.4	79.4	79.4	79.4	79.4	
GE 2500	5.9	71.2	74.8	77.2	78.3	78.3	78.6	78.6	78.6	78.6	80.7	81.2	81.3	81.3	81.3	81.3	
GE 2000	5.9	71.3	75.2	77.7	79.0	79.0	79.3	79.3	79.3	79.3	81.4	81.9	82.0	82.0	82.0	82.0	
GE 1800	5.9	71.4	75.3	77.8	79.2	79.2	79.6	79.6	79.6	79.6	81.7	82.2	82.3	82.3	82.3	82.3	
GE 1500	5.9	71.9	76.0	78.6	80.1	80.1	80.5	80.5	80.5	80.5	82.6	83.2	83.3	83.3	83.3	83.3	
GE 1200	5.9	72.0	76.1	78.7	80.3	80.3	80.6	80.6	80.6	80.6	83.0	83.6	83.7	83.7	83.7	83.7	
GE 1000	5.9	72.1	76.4	79.0	80.7	80.7	81.1	81.1	81.1	81.1	83.9	84.0	84.0	84.0	84.0	84.0	
GE 900	5.9	72.5	77.0	79.6	81.8	81.8	82.2	82.2	82.2	82.2	85.3	85.8	86.1	86.1	86.1	86.1	
GE 800	5.9	72.5	77.1	79.8	82.3	82.3	82.6	82.6	82.6	82.6	85.9	86.6	86.9	87.2	87.5	87.5	
GE 700	5.9	72.6	77.4	80.3	83.1	83.1	83.7	83.7	83.7	83.7	87.2	87.8	88.2	88.7	89.0	89.0	
GE 600	5.9	72.6	77.4	80.3	83.2	83.2	83.9	83.9	83.9	83.9	87.6	88.3	88.7	89.2	89.6	89.7	
GE 500	5.9	72.7	77.5	80.6	84.0	84.0	84.9	84.9	84.9	84.9	90.2	90.5	90.7	91.3	91.6	91.7	
GE 400	5.9	72.7	77.5	80.6	84.2	84.2	85.0	85.0	85.0	85.0	91.1	91.5	91.6	92.3	92.9	93.0	
GE 300	5.9	72.7	77.5	80.9	84.5	84.5	85.6	85.6	85.6	85.6	92.1	92.7	93.5	94.1	95.7	96.0	
GE 200	5.9	72.7	77.5	80.9	84.5	84.5	85.7	85.7	85.7	85.7	92.2	92.9	93.9	94.6	96.3	97.8	
GE 100	5.9	72.7	77.5	80.9	84.5	84.5	85.7	85.7	85.7	85.7	92.2	92.9	93.9	94.6	96.3	97.8	
GE 0	5.9	72.7	77.5	80.9	84.5	84.5	85.7	85.7	85.7	85.7	92.2	92.9	93.9	94.6	96.3	97.8	

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE										PERIOD OF RECORD: 77-86										MONTH: FEB HOURS(UT): 1200-1400									
CEILING										VISIBILITY IN STATUTE MILES																			
IN	1	GE	GE	GE	GE	GE	GE	GE	GE	IN	1	GE	GE	GE	GE	GE	GE	GE	GE	IN	1	GE	GE	GE	GE	GE	GE	GE	
FEET	10	6	5	4	3	2	1 1/2	1	1/4	2	1 1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0	0	0	0	0	0	0	0	0	
NO CEIL	5.3	43.6	44.2	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6		
GE 20000	6.4	53.0	53.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9		
GE 18000	6.4	53.1	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0		
GE 16000	6.4	53.4	54.0	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4		
GE 14000	6.5	53.9	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8		
GE 12000	6.5	54.6	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7		
GE 10000	6.5	59.0	59.8	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2		
GE 9000	6.5	60.2	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3		
GE 8000	6.9	62.9	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2		
GE 7000	7.1	63.8	64.9	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4		
GE 6000	7.1	65.7	66.8	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4		
GE 5000	7.2	68.1	69.1	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9		
GE 4500	7.3	68.8	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7		
GE 4000	7.6	73.0	74.5	75.3	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1		
GE 3500	7.6	74.5	75.9	76.7	77.4	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9		
GE 3000	7.7	75.4	76.8	77.8	78.5	78.8	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4		
GE 2500	8.0	75.8	77.8	78.8	79.9	80.3	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9		
GE 2000	8.0	76.1	78.3	79.6	81.1	81.4	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0		
GE 1800	8.0	76.2	78.6	80.0	81.7	82.0	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6		
GE 1500	8.0	77.1	79.7	81.4	83.3	83.7	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6		
GE 1200	8.0	77.8	80.4	82.3	84.2	84.5	85.2	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7		
GE 1000	8.0	78.1	80.9	83.0	85.5	85.9	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4		
GE 900	8.0	78.3	81.1	83.2	85.8	86.1	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8		
GE 800	8.0	78.5	81.6	83.9	86.8	87.4	88.5	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2		
GE 700	8.0	78.7	82.0	84.5	87.5	88.3	89.6	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3		
GE 600	8.0	78.7	82.0	84.5	87.5	88.3	89.6	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3		
GE 500	8.0	78.7	82.3	84.9	88.7	89.7	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0		
GE 400	8.0	78.7	82.3	84.9	88.7	90.2	92.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5		
GE 300	8.0	78.7	82.3	84.9	88.7	90.2	92.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
GE 200	8.0	78.7	82.3	84.9	88.8	90.4	92.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4		
GE 100	8.0	78.7	82.3	84.9	88.8	90.4	92.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4		
GE 01	8.0	78.7	82.3	84.9	88.8	90.4	92.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4		

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(IST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0	
NO CEIL	6.1	43.9	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 20000	6.5	52.5	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 18000	6.5	53.0	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 16000	6.5	53.1	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 14000	6.5	53.3	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 12000	6.5	54.4	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 10000	6.6	57.0	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 9000	6.6	58.2	58.9	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 8000	6.7	61.1	62.1	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 7000	6.9	62.8	63.8	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 6000	6.9	63.9	65.1	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 5000	7.0	66.5	68.0	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 4500	7.0	67.4	68.8	69.5	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 4000	7.1	71.5	73.5	74.6	75.5	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 3500	7.1	72.9	75.1	76.1	77.3	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 3000	7.2	74.8	77.0	78.1	79.4	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 2500	7.4	75.5	77.9	79.2	80.6	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 2000	7.4	76.5	79.0	80.6	82.5	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 1800	7.4	76.5	79.0	80.9	82.9	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 1500	7.4	77.7	80.3	82.5	85.1	85.9	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 1200	7.4	78.4	81.1	83.3	85.9	86.8	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 1000	7.4	79.0	81.9	84.2	87.0	87.9	88.4	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 900	7.4	79.2	82.2	84.5	87.5	88.4	88.9	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 800	7.4	79.4	82.5	85.0	87.9	89.1	89.6	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 700	7.4	79.4	82.9	85.5	88.5	89.8	90.4	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 600	7.4	79.4	82.9	85.5	88.5	89.8	90.4	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 500	7.4	79.4	82.9	85.6	89.0	90.7	91.4	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 400	7.4	79.4	82.9	85.6	89.0	90.7	91.4	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 300	7.4	79.4	82.9	85.6	89.0	90.7	91.4	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 200	7.4	79.4	82.9	85.6	89.0	90.7	91.4	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 100	7.4	79.4	82.9	85.6	89.0	90.7	91.4	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 0	7.4	79.4	82.9	85.6	89.0	90.7	91.4	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0

TOTAL NUMBER OF OBSERVATIONS: 846

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE
PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 1800-2000

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE
PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 1800-2000

CEILING

VISIBILITY IN STATUTE MILES

[illegible]

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[illegible][illegible][illegible]

6E 14000	5.6	54.1	55.6	56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1
6E 12000	5.6	54.8	56.3	57.2	57.8	57.8	57.8	57.8	57.8	57.8	57.8

[illegible][illegible][illegible][illegible]

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2
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6E	4000	5.6	69.7	72.6	74.3	75.5	75.5	76.0	76.1	76.1	76.1	76.1	76.1	76.1
6E	3500	5.6	71.3	74.3	76.4	77.5	77.5	78.0	78.1	78.1	78.1	78.1	78.1	78.1

[illegible]

6E	250(1)	5.6	73.6	77.0	79.1	80.4	80.6	81.2	81.3	81.6	81.6	81.6	81.6	81.6
6E	200(1)	5.6	74.5	77.8	80.4	81.7	81.9	82.5	82.6	82.9	82.9	82.9	82.9	82.9

	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2
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GE	12001	5.6	75.8	79.4	82.5	84.5	85.0	85.6	86.1	86.1	86.3	86.3	86.3	86.3	86.3
GE	12001	5.6	75.8	79.4	82.5	84.5	85.0	85.6	86.1	86.1	86.3	86.3	86.3	86.3	86.3

[illegible][illegible]

6E	700	5.6	76.5	81.0	84.2	86.6	87.2	87.8	88.8	89.8	90.1	90.1	90.1
6E	600	5.6	76.6	81.1	84.4	86.9	87.5	88.2	89.2	90.5	90.8	90.9	90.9

GE	5001	5.6	76.6	81.1	84.5	87.1	87.9	88.9	90.4	90.7	92.1	92.7	92.7	92.8	92.9	92.9	93.0
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6E	400	5.6	76.6	81.1	84.5	87.4	88.2	89.1	90.0	91.1	92.3	93.1	94.1	94.4	94.6
6E	300	5.6	76.6	81.1	84.5	87.5	88.5	89.7	91.5	92.1	93.1	95.2	95.2	95.7	95.9
6E	300	5.6	76.6	81.1	84.5	87.5	88.5	89.7	91.5	92.1	93.1	95.2	95.2	95.7	95.9

[illegible][illegible][illegible]

TOTAL NUMBER OF OBSERVATIONS: 846

[illegible]

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(1ST): ALL

CEILING
IN FEET 10 6 5 4 3 2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 1/4 0
VISIBILITY IN STATUTE MILES
GE GE GE GE GE GE GE GE GE GE GE GE GE GE GE

NO CEIL	1	5.1	47.2	48.4	49.0	49.4	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	49.7
GE 20000	5.4	53.0	54.3	55.0	55.5	55.5	55.5	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.8
GE 18000	5.4	53.2	54.5	55.2	55.7	55.8	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.1	56.1
GE 16000	5.5	53.3	54.6	55.4	55.9	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2
GE 14000	5.5	53.7	55.1	55.9	56.4	56.4	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.7	56.7
GE 12000	5.5	54.5	56.0	56.7	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.7
GE 10000	5.6	57.6	59.3	60.1	60.8	60.8	61.0	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.3	61.3
GE 9000	5.7	58.2	59.9	60.7	61.4	61.5	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.9	61.9	62.0
GE 8000	5.8	60.4	62.3	63.2	64.0	64.1	64.3	64.3	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.6
GE 7000	6.0	61.8	63.9	64.9	65.7	65.8	66.0	66.0	66.0	66.1	66.1	66.1	66.2	66.2	66.3	66.3
GE 6000	6.0	62.7	64.8	65.9	66.7	66.8	67.0	67.0	67.1	67.1	67.2	67.2	67.2	67.2	67.3	67.3
GE 5000	6.0	65.1	67.4	68.5	69.4	69.5	69.8	69.8	69.8	69.9	69.9	69.9	70.0	70.0	70.1	70.1
GE 4500	6.1	66.0	68.3	69.5	70.4	70.5	70.8	70.8	70.8	70.9	71.0	71.0	71.0	71.1	71.1	71.1
GE 4000	6.1	69.5	72.3	73.7	74.8	75.0	75.6	75.7	75.7	75.8	75.8	75.8	75.9	75.9	76.0	76.0
GE 3500	6.2	70.7	73.7	75.1	76.3	76.6	77.2	77.3	77.3	77.4	77.5	77.5	77.5	77.5	77.6	77.6
GE 3000	6.3	72.1	75.2	76.7	78.0	78.4	79.1	79.3	79.3	79.5	79.5	79.5	79.5	79.6	79.6	79.7
GE 2500	6.4	72.7	76.0	77.7	79.2	79.6	80.3	80.6	80.6	80.8	80.9	80.9	80.9	81.0	81.0	81.0
GE 2000	6.4	73.3	76.8	78.6	80.4	80.8	81.6	81.9	82.1	82.1	82.2	82.2	82.2	82.3	82.3	82.3
GE 1800	6.4	73.4	77.0	78.9	80.8	81.2	82.0	82.2	82.3	82.5	82.5	82.5	82.6	82.6	82.7	82.7
GE 1500	6.4	74.0	77.7	79.8	81.8	82.2	83.0	83.4	83.6	83.7	83.7	83.7	83.8	83.8	83.9	83.9
GE 1200	6.4	74.5	78.3	80.4	82.5	83.0	83.9	84.3	84.4	84.7	84.8	84.8	84.9	85.0	85.0	85.0
GE 1000	6.4	74.7	78.8	81.0	83.3	83.8	84.8	85.4	85.4	85.9	86.2	86.2	86.3	86.4	86.4	86.5
GE 900	6.4	74.9	79.0	81.2	83.6	84.2	85.3	85.9	86.0	86.5	86.8	86.8	86.9	87.0	87.1	87.1
GE 800	6.4	75.0	79.3	81.6	84.2	84.8	86.1	86.7	86.8	87.4	87.8	87.8	87.9	88.0	88.1	88.1
GE 700	6.4	75.0	79.5	81.9	84.7	85.4	86.8	87.5	87.6	88.3	88.7	88.7	88.9	89.0	89.1	89.1
GE 600	6.4	75.1	79.6	82.0	84.8	85.6	87.0	87.8	87.9	88.6	89.0	89.1	89.3	89.4	89.5	89.6
GE 500	6.4	75.2	79.7	82.3	85.6	86.5	88.3	89.4	89.6	90.5	91.0	91.1	91.4	91.6	91.7	91.8
GE 400	6.4	75.3	79.9	82.5	85.9	87.0	89.1	90.6	90.9	91.8	92.5	92.6	93.0	93.2	93.4	93.5
GE 300	6.4	75.3	79.9	82.6	86.2	87.4	89.8	91.7	92.2	93.4	94.2	94.3	95.0	95.2	95.4	95.7
GE 200	6.4	75.3	79.9	82.7	86.4	87.7	90.2	92.1	92.9	94.2	95.3	95.4	96.2	96.6	96.9	97.6
GE 100	6.4	75.3	79.9	82.7	86.5	87.8	90.2	92.2	92.9	94.4	95.5	95.6	96.6	97.1	97.6	99.6
GE 01	6.4	75.3	79.9	82.7	86.5	87.8	90.2	92.2	92.9	94.4	95.5	95.6	96.6	97.1	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LS): 0000-0200

CEILING VISIBILITY IN STATUTE MILES

IN FEET 10 1/2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 1/4 0

NO	CEIL	1	4.9	51.9	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.2
GE 20000	5.3	57.2	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.6
GE 18000	5.3	57.3	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.7
GE 16000	5.3	57.3	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.7
GE 14000	5.3	57.8	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.2
GE 12000	5.3	58.4	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.8
GE 10000	5.5	62.4	63.4	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.1
GE 9000	5.7	63.9	64.9	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.6
GE 8000	5.8	65.7	66.8	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.5
GE 7000	5.8	66.2	67.3	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.1
GE 6000	6.2	67.2	68.3	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	69.0
GE 5000	6.5	70.4	71.5	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.5
GE 4500	6.5	71.6	72.9	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.9
GE 4000	6.6	77.1	78.7	79.6	79.8	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.4
GE 3500	6.6	78.5	80.2	81.1	81.7	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.4
GE 3000	6.6	80.3	82.5	83.4	84.1	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.8
GE 2500	6.6	80.9	83.2	84.4	85.1	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.8
GE 2000	6.6	81.7	84.3	85.7	86.5	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.4
GE 1800	6.6	82.3	84.8	86.2	87.0	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	88.0
GE 1500	6.6	82.9	85.5	86.9	87.7	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.7
GE 1200	6.6	83.3	86.0	87.5	88.4	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.4
GE 1000	6.6	84.1	86.9	88.4	89.5	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.6
GE 900	6.6	84.5	87.4	89.1	90.2	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.5
GE 800	6.6	85.2	88.3	90.1	91.5	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	93.0
GE 700	6.6	85.5	88.8	91.0	92.5	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	94.0
GE 600	6.6	85.6	89.1	91.5	93.1	93.9	94.3	94.4	94.4	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.7
GE 500	6.6	85.7	89.4	91.8	93.7	94.4	95.2	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.7
GE 400	6.6	86.1	90.1	92.8	95.4	96.3	97.1	97.3	97.3	97.3	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.7
GE 300	6.6	86.1	90.1	92.9	95.7	96.9	97.7	98.0	98.0	98.0	98.0	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.6
GE 200	6.6	86.1	90.2	93.0	95.8	97.2	98.2	98.4	98.4	98.4	98.4	98.4	98.7	98.9	98.9	98.9	98.9	98.9	99.0
GE 100	6.6	86.1	90.2	93.0	95.8	97.2	98.2	98.4	98.4	98.4	98.4	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.1
GE 01	6.6	86.1	90.2	93.0	95.8	97.2	98.2	98.4	98.4	98.4	98.4	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86
 MONTH: MAR HOURS(IST): 0300-0500

CEILING VISIBILITY IN STATUTE MILES

IN	1	GE	10	6	5	4	3	2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	GE
FEET	1	10	6	5	4	3	2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0	
NO CEIL	5.5	50.3	52.0	52.4	52.6	52.6	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0	53.1		
GE 20000	5.9	53.9	55.6	55.9	56.1	56.1	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.7	
GE 18000	5.9	53.9	55.6	55.9	56.1	56.1	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.7	
GE 16000	5.9	53.9	55.6	55.9	56.1	56.1	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.7	
GE 14000	5.9	54.5	56.2	56.6	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.3	
GE 12000	5.9	55.2	56.9	57.2	57.4	57.4	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	58.0	
GE 10000	5.9	60.0	61.9	62.4	62.6	62.6	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.1		
GE 9000	5.9	61.4	63.3	63.8	64.0	64.0	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.5		
GE 8000	5.9	63.1	65.3	65.7	65.9	65.9	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.5		
GE 7000	6.0	63.4	65.6	66.0	66.2	66.2	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.8		
GE 6000	6.5	64.3	66.6	67.0	67.2	67.2	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.7		
GE 5000	6.5	67.4	70.1	70.5	70.8	70.9	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.4		
GE 4500	6.5	70.3	73.1	73.5	73.8	73.9	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.4		
GE 4000	6.5	75.1	78.4	78.9	79.1	79.2	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.9		
GE 3500	6.5	76.1	79.7	80.2	80.4	80.5	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.2		
GE 3000	6.5	77.4	81.3	81.8	82.3	82.4	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.9	83.0		
GE 2500	6.5	78.3	82.9	83.5	84.0	84.1	84.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.8		
GE 2000	6.5	78.7	83.9	84.6	85.3	85.4	85.5	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.1		
GE 1800	6.5	78.7	84.0	84.7	85.5	85.7	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.5		
GE 1500	6.5	79.2	84.5	85.3	86.1	86.3	86.5	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.2		
GE 1200	6.5	79.8	85.3	86.0	87.1	87.3	87.5	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.3		
GE 1000	6.5	79.8	85.3	86.0	87.1	87.3	87.5	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.3		
GE 900	6.5	80.3	85.8	86.7	87.8	88.3	88.6	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.4		
GE 800	6.5	80.4	86.7	87.7	89.5	90.1	90.4	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.2		
GE 700	6.5	80.6	87.1	88.2	89.9	90.5	90.9	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.6		
GE 600	6.5	80.9	87.3	88.4	90.2	91.0	91.3	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.2		
GE 500	6.5	81.2	88.1	89.4	91.7	92.5	93.7	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5	94.6		
GE 400	6.5	81.4	88.3	89.7	92.4	93.1	94.4	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.5	95.6		
GE 300	6.5	81.4	88.3	89.8	92.6	93.5	95.6	96.1	96.1	96.7	96.7	96.7	96.7	96.7	96.7	97.0	97.2		
GE 200	6.5	81.5	88.4	89.9	92.7	93.7	95.7	96.7	96.8	97.5	97.5	97.6	97.6	97.6	97.6	98.0	98.2		
GE 100	6.5	81.5	88.4	89.9	92.7	93.7	95.7	96.7	96.8	97.6	97.6	98.0	98.0	98.3	98.3	98.9	99.4		
GE 0	6.5	81.5	88.4	89.9	92.7	93.7	95.7	96.7	96.8	97.6	97.6	98.0	98.0	98.3	98.3	98.9	100.0		

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE
PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 0600-0800

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE
PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 0600-0800

CEILING	VISIBILITY IN STATUTE MILES
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IN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

[illegible]

6E 20000	5.1	49.5	51.6	52.9	53.1	53.3	53.4	53.5	53.8	53.8	53.8	53.8	53.8	53.8
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[illegible][illegible]

	51.4	53.5	54.9	55.3	55.5	55.6	55.7	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.1
6E 12000	5.5	51.4	53.5	54.9	55.3	55.5	55.6	55.7	55.7	56.0	56.0	56.0	56.0	56.0	56.1

[illegible]

	61.9	61.8	61.7	61.6	61.5	61.4	61.3	61.2	61.1	61.0	60.9	60.8	60.7	60.6	60.5	60.4	60.3	60.2	60.1	60.0	59.9	59.8	59.7	59.6	59.5	59.4	59.3	59.2	59.1	59.0	58.9	58.8	58.7	58.6	58.5	58.4	58.3	58.2	58.1	58.0	57.9	57.8	57.7	57.6	57.5	57.4	57.3	57.2	57.1	57.0	56.9	56.8	56.7	56.6	56.5	56.4	56.3	56.2	56.1	56.0	55.9	55.8	55.7	55.6	55.5	55.4	55.3	55.2	55.1	55.0	54.9	54.8	54.7	54.6	54.5	54.4	54.3	54.2	54.1	54.0	53.9	53.8	53.7	53.6	53.5	53.4	53.3	53.2	53.1	53.0	52.9	52.8	52.7	52.6	52.5	52.4	52.3	52.2	52.1	52.0	51.9	51.8	51.7	51.6	51.5	51.4	51.3	51.2	51.1	51.0	50.9	50.8	50.7	50.6	50.5	50.4	50.3	50.2	50.1	50.0	49.9	49.8	49.7	49.6	49.5	49.4	49.3	49.2	49.1	49.0	48.9	48.8	48.7	48.6	48.5	48.4	48.3	48.2	48.1	48.0	47.9	47.8	47.7	47.6	47.5	47.4	47.3	47.2	47.1	47.0	46.9	46.8	46.7	46.6	46.5	46.4	46.3	46.2	46.1	46.0	45.9	45.8	45.7	45.6	45.5	45.4	45.3	45.2	45.1	45.0	44.9	44.8	44.7	44.6	44.5	44.4	44.3	44.2	44.1	44.0	43.9	43.8	43.7	43.6	43.5	43.4	43.3	43.2	43.1	43.0	42.9	42.8	42.7	42.6	42.5	42.4	42.3	42.2	42.1	42.0	41.9	41.8	41.7	41.6	41.5	41.4	41.3	41.2	41.1	41.0	40.9	40.8	40.7	40.6	40.5	40.4	40.3	40.2	40.1	40.0	39.9	39.8	39.7	39.6	39.5	39.4	39.3	39.2	39.1	39.0	38.9	38.8	38.7	38.6	38.5	38.4	38.3	38.2	38.1	38.0	37.9	37.8	37.7	37.6	37.5	37.4	37.3	37.2	37.1	37.0	36.9	36.8	36.7	36.6	36.5	36.4	36.3	36.2	36.1	36.0	35.9	35.8	35.7	35.6	35.5	35.4	35.3	35.2	35.1	35.0	34.9	34.8	34.7	34.6	34.5	34.4	34.3	34.2	34.1	34.0	33.9	33.8	33.7	33.6	33.5	33.4	33.3	33.2	33.1	33.0	32.9	32.8	32.7	32.6	32.5	32.4	32.3	32.2	32.1	32.0	31.9	31.8	31.7	31.6	31.5	31.4	31.3	31.2	31.1	31.0	30.9	30.8	30.7	30.6	30.5	30.4	30.3	30.2	30.1	30.0	29.9	29.8	29.7	29.6	29.5	29.4	29.3	29.2	29.1	29.0	28.9	28.8	28.7	28.6	28.5	28.4	28.3	28.2	28.1	28.0	27.9	27.8	27.7	27.6	27.5	27.4	27.3	27.2	27.1	27.0	26.9	26.8	26.7	26.6	26.5	26.4	26.3	26.2	26.1	26.0	25.9	25.8	25.7	25.6	25.5	25.4	25.3	25.2	25.1	25.0	24.9	24.8	24.7	24.6	24.5	24.4	24.3	24.2	24.1	24.0	23.9	23.8	23.7	23.6	23.5	23.4	23.3	23.2	23.1	23.0	22.9	22.8	22.7	22.6	22.5	22.4	22.3	22.2	22.1	22.0	21.9	21.8	21.7	21.6	21.5	21.4	21.3	21.2	21.1	21.0	20.9	20.8	20.7	20.6	20.5	20.4	20.3	20.2	20.1	20.0	19.9	19.8	19.7	19.6	19.5	19.4	19.3	19.2	19.1	19.0	18.9	18.8	18.7	18.6	18.5	18.4	18.3	18.2	18.1	18.0	17.9	17.8	17.7	17.6	17.5	17.4	17.3	17.2	17.1	17.0	16.9	16.8	16.7	16.6</
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GE 8000	5.7	60.3	62.8	64.5	64.8	65.1	65.2	65.3	65.3	65.6	65.6	65.6	65.6	65.6	65.7
GE 8000	5.7	60.3	62.8	64.5	64.8	65.1	65.2	65.3	65.3	65.6	65.6	65.6	65.6	65.6	65.7

[illegible][illegible]

6E	5000	5.7	64.9	67.7	69.8	70.1	70.3	70.4	70.5	70.5	70.9	70.9	70.9	70.9	70.9	71.0
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	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
6E 3000	5.0	72.9	76.7	79.4	80.1	80.3	80.5	80.8	81.1	81.1	81.1	81.1	81.2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	52
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GE	1000	5.0	75.3	80.2	83.5	84.6	84.8	85.2	85.4	85.4	85.7	85.7	85.7	85.7	85.8
GE	1000	5.0	75.3	80.2	83.5	84.6	84.8	85.2	85.4	85.4	85.7	85.7	85.7	85.7	85.8

GE	1500	5.8	76.0	81.0	84.4	85.5	86.2	86.6	86.8	87.1	87.1	87.1	87.1	87.1	87.2
F	1200	5.8	76.0	81.0	84.4	85.5	86.2	86.6	86.8	87.1	87.1	87.1	87.1	87.1	87.2

29 JAN 1971 05:59 9.5 9.18 9.01 85.5 86.5 7.0/8 5.0/8 1.0/8 8.0/8 1.08 88.1 88.1

GE	1000	5.8	76.6	81.9	85.7	86.9	87.6	88.0	88.2	88.6	88.6	88.6	88.7	88.7	88.8
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GE	900	5.0	76.7	82.3	86.2	87.5	88.3	88.6	88.8	89.2	89.4	89.5	89.5	89.6
GE	900	5.0	77.0	82.3	87.1	88.3	88.6	88.8	89.1	89.2	89.4	89.5	89.5	89.6

	90.8	90.6	90.7	90.5	90.1	90.1	90.1	90.1	90.6	90.8	90.8	90.9
GE	800	5.8	77.0	83.0	81.1	88.7	89.6	89.9	90.1	90.1	90.6	90.8
GE	700	5.8	77.1	83.1	87.6	89.6	90.4	90.8	91.0	91.0	91.5	91.7

6E	600	5.8	77.4	83.4	88.5	90.8	91.6	91.9	92.2	92.2	92.6	92.7	92.7	92.8	92.8	92.8	92.9
6E	600	5.8	77.4	83.4	88.5	90.8	91.6	91.9	92.2	92.2	92.6	92.7	92.7	92.8	92.8	92.8	92.9

[illegible][illegible]

GE	300	5.8	77.7	83.8	89.1	92.0	93.4	94.7	95.4	95.5	96.1	96.5	96.5	96.8	97.0	97.2
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	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Average	Standard deviation	Coefficient of variation	Skewness	Kurtosis	Jarque-Bera	p-value	Ljung-Box Q	p-value	ACF(1)	ACF(2)	ACF(3)	ACF(4)	ACF(5)	ACF(6)	ACF(7)	ACF(8)	ACF(9)	ACF(10)	ACF(11)	ACF(12)	ACF(13)	ACF(14)	ACF(15)	ACF(16)	ACF(17)	ACF(18)	ACF(19)	ACF(20)	ACF(21)	ACF(22)	ACF(23)	ACF(24)	ACF(25)	ACF(26)	ACF(27)	ACF(28)	ACF(29)	ACF(30)	ACF(31)	ACF(32)	ACF(33)	ACF(34)	ACF(35)	ACF(36)	ACF(37)	ACF(38)	ACF(39)	ACF(40)	ACF(41)	ACF(42)	ACF(43)	ACF(44)	ACF(45)	ACF(46)	ACF(47)	ACF(48)	ACF(49)	ACF(50)	ACF(51)	ACF(52)	ACF(53)	ACF(54)	ACF(55)	ACF(56)	ACF(57)	ACF(58)	ACF(59)	ACF(60)	ACF(61)	ACF(62)	ACF(63)	ACF(64)	ACF(65)	ACF(66)	ACF(67)	ACF(68)	ACF(69)	ACF(70)	ACF(71)	ACF(72)	ACF(73)	ACF(74)	ACF(75)	ACF(76)	ACF(77)	ACF(78)	ACF(79)	ACF(80)	ACF(81)	ACF(82)	ACF(83)	ACF(84)	ACF(85)	ACF(86)	ACF(87)	ACF(88)	ACF(89)	ACF(90)	ACF(91)	ACF(92)	ACF(93)	ACF(94)	ACF(95)	ACF(96)	ACF(97)	ACF(98)	ACF(99)	ACF(100)	ACF(101)	ACF(102)	ACF(103)	ACF(104)	ACF(105)	ACF(106)	ACF(107)	ACF(108)	ACF(109)	ACF(110)	ACF(111)	ACF(112)	ACF(113)	ACF(114)	ACF(115)	ACF(116)	ACF(117)	ACF(118)	ACF(119)	ACF(120)	ACF(121)	ACF(122)	ACF(123)	ACF(124)	ACF(125)	ACF(126)	ACF(127)	ACF(128)	ACF(129)	ACF(130)	ACF(131)	ACF(132)	ACF(133)	ACF(134)	ACF(135)	ACF(136)	ACF(137)	ACF(138)	ACF(139)	ACF(140)	ACF(141)	ACF(142)	ACF(143)	ACF(144)	ACF(145)	ACF(146)	ACF(147)	ACF(148)	ACF(149)	ACF(150)	ACF(151)	ACF(152)	ACF(153)	ACF(154)	ACF(155)	ACF(156)	ACF(157)	ACF(158)	ACF(159)	ACF(160)	ACF(161)	ACF(162)	ACF(163)	ACF(164)	ACF(165)	ACF(166)	ACF(167)	ACF(168)	ACF(169)	ACF(170)	ACF(171)	ACF(172)	ACF(173)	ACF(174)	ACF(175)	ACF(176)	ACF(177)	ACF(178)	ACF(179)	ACF(180)	ACF(181)	ACF(182)	ACF(183)	ACF(184)	ACF(185)	ACF(186)	ACF(187)	ACF(188)	ACF(189)	ACF(190)	ACF(191)	ACF(192)	ACF(193)	ACF(194)	ACF(195)	ACF(196)	ACF(197)	ACF(198)	ACF(199)	ACF(200)	ACF(201)	ACF(202)	ACF(203)	ACF(204)	ACF(205)	ACF(206)	ACF(207)	ACF(208)	ACF(209)	ACF(210)	ACF(211)	ACF(212)	ACF(213)	ACF(214)	ACF(215)	ACF(216)	ACF(217)	ACF(218)	ACF(219)	ACF(220)	ACF(221)	ACF(222)	ACF(223)	ACF(224)	ACF(225)	ACF(226)	ACF(227)	ACF(228)	ACF(229)	ACF(230)	ACF(231)	ACF(232)	ACF(233)	ACF(234)	ACF(235)	ACF(236)	ACF(237)	ACF(238)	ACF(239)	ACF(240)	ACF(241)	ACF(242)	ACF(243)	ACF(244)	ACF(245)	ACF(246)	ACF(247)	ACF(248)	ACF(249)	ACF(250)	ACF(251)	ACF(252)	ACF(253)	ACF(254)	ACF(255)	ACF(256)	ACF(257)	ACF(258)	ACF(259)	ACF(260)	ACF(261)	ACF(262)	ACF(263)	ACF(264)	ACF(265)	ACF(266)	ACF(267)	ACF(268)	ACF(269)	ACF(270)	ACF(271)	ACF(272)	ACF(273)	ACF(274)	ACF(275)	ACF(276)	ACF(277)	ACF(278)	ACF(279)	ACF(280)	ACF(281)	ACF(282)	ACF(283)	ACF(284)	ACF(285)	ACF(286)	ACF(287)	ACF(288)	ACF(289)	ACF(290)	ACF(291)	ACF(292)	ACF(293)	ACF(294)	ACF(295)	ACF(296)	ACF(297)	ACF(298)	ACF(299)	ACF(300)	ACF(301)	ACF(302)	ACF(303)	ACF(304)	ACF(305)	ACF(306)	ACF(307)	ACF(308)	ACF(309)	ACF(310)	ACF(311)	ACF(312)	ACF(313)	ACF(314)	ACF(315)	ACF(316)	ACF(317)	ACF(318)	ACF(319)	ACF(320)	ACF(321)	ACF(322)	ACF(323)	ACF(324)	ACF(325)	ACF(326)	ACF(327)	ACF(328)	ACF(329)	ACF(330)	ACF(331)	ACF(332)	ACF(333)	ACF(334)	ACF(335)	ACF(336)	ACF(337)	ACF(338)	ACF(339)	ACF(340)	ACF(341)	ACF(342)	ACF(343)	ACF(344)	ACF(345)	ACF(346)	ACF(347)	ACF(348)	ACF(349)	ACF(350)	
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[illegible]

GE	01	5.0	77.7	83.8	89.1	92.0	93.5	94.9	95.9	96.0	96.8	97.2	97.2	97.5	97.6	98.1	100.0
66E	01	5.0	77.7	83.8	89.1	92.0	93.5	94.9	95.9	96.0	96.8	97.2	97.2	97.5	97.6	98.1	100.0

[The page contains a series of small, illegible marks or artifacts.]

TOTAL NUMBER OF OBSERVATIONS: 930

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[illegible][illegible]

STATION NUMBER: 724086 STATION NAME: DOVER AFB DE
PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(EST): 0900-1100

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 VISIBILITY IN STATUTE MILES

 CETOLOG

[illegible][illegible][illegible][illegible][illegible][illegible]

	9.4	79.1	83.1	85.5	87.2	87.3	88.1	88.2	88.2	88.2	88.2	88.2	88.2
GE	1500	9.4	79.1	83.1	86.7	88.5	88.6	89.1	89.3	89.3	89.5	89.5	89.5
GE	1200	9.4	80.0	84.0	86.7	88.5	88.6	89.1	89.3	89.3	89.5	89.5	89.5

	9001	9002	9003	9004	9005	9006	9007	9008	9009	9010	9011	9012	9013	9014	9015	9016	9017	9018	9019	9020	9021	9022	9023	9024	9025	9026	9027	9028	9029	9030	9031	9032	9033	9034	9035	9036	9037	9038	9039	9040	9041	9042	9043	9044	9045	9046	9047	9048	9049	9050	9051	9052	9053	9054	9055	9056	9057	9058	9059	9060	9061	9062	9063	9064	9065	9066	9067	9068	9069	9070	9071	9072	9073	9074	9075	9076	9077	9078	9079	9080	9081	9082	9083	9084	9085	9086	9087	9088	9089	9090	9091	9092	9093	9094	9095	9096	9097	9098	9099	9100	9101	9102	9103	9104	9105	9106	9107	9108	9109	9110	9111	9112	9113	9114	9115	9116	9117	9118	9119	9120	9121	9122	9123	9124	9125	9126	9127	9128	9129	9130	9131	9132	9133	9134	9135	9136	9137	9138	9139	9140	9141	9142	9143	9144	9145	9146	9147	9148	9149	9150	9151	9152	9153	9154	9155	9156	9157	9158	9159	9160	9161	9162	9163	9164	9165	9166	9167	9168	9169	9170	9171	9172	9173	9174	9175	9176	9177	9178	9179	9180	9181	9182	9183	9184	9185	9186	9187	9188	9189	9190	9191	9192	9193	9194	9195	9196	9197	9198	9199	9200	9201	9202	9203	9204	9205	9206	9207	9208	9209	9210	9211	9212	9213	9214	9215	9216	9217	9218	9219	9220	9221	9222	9223	9224	9225	9226	9227	9228	9229	9230	9231	9232	9233	9234	9235	9236	9237	9238	9239	9240	9241	9242	9243	9244	9245	9246	9247	9248	9249	9250	9251	9252	9253	9254	9255	9256	9257	9258	9259	9260	9261	9262	9263	9264	9265	9266	9267	9268	9269	9270	9271	9272	9273	9274	9275	9276	9277	9278	9279	9280	9281	9282	9283	9284	9285	9286	9287	9288	9289	9290	9291	9292	9293	9294	9295	9296	9297	9298	9299	9300	9301	9302	9303	9304	9305	9306	9307	9308	9309	9310	9311	9312	9313	9314	9315	9316	9317	9318	9319	9320	9321	9322	9323	9324	9325	9326	9327	9328	9329	9330	9331	9332	9333	9334	9335	9336	9337	9338	9339	9340	9341	9342	9343	9344	9345	9346	9347	9348	9349	9350	9351	9352	9353	9354	9355	9356	9357	9358	9359	9360	9361	9362	9363	9364	9365	9366	9367	9368	9369	9370	9371	9372	9373	9374	9375	9376	9377	9378	9379	9380	9381	9382	9383	9384	9385	9386	9387	9388	9389	9390	9391	9392	9393	9394	9395	9396	9397	9398	9399	9400	9401	9402	9403	9404	9405	9406	9407	9408	9409	9410	9411	9412	9413	9414	9415	9416	9417	9418	9419	9420	9421	9422	9423	9424	9425	9426	9427	9428	9429	9430	9431	9432	9433	9434	9435	9436	9437	9438	9439	9440	9441	9442	9443	9444	9445	9446	9447	9448	9449	9450	9451	9452	9453	9
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GE	500I	9.4	81.7	86.9	90.4	92.7	93.4	94.2	94.7	94.7	95.5	95.6	95.6	95.7	95.7	95.9
GE	400I	9.4	81.8	87.1	90.7	93.1	93.9	94.8	95.4	95.4	96.4	96.7	96.7	96.9	96.9	96.9

GE	100	9.4	81.8	81.1	90.9	93.6	94.7	95.6	96.6	96.7	98.3	98.5	98.5	98.8	99.2	99.4	1
GE	100	9.4	81.8	81.1	90.9	93.6	94.7	95.6	96.6	96.7	98.3	98.5	98.5	98.8	99.2	99.4	1

TOTAL NUMBER OF OBSERVATIONS: 929

[illegible]

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96
1200-1400

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GE	GE	GE
5/16	1/4	0

54.5	44.5	54.5
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54.6	54.6	54.6
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1.55	1.55	1.55
54.8	54.5	8.45

55.0	55.0	55.0
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56.8 56.8 56.8

60.3	60.3	60.3
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61.5	61.5	61.5
64.9	64.9	64.9

65.9	65.9	65.9
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66.8 66.8 66.8

70.2	70.2	70.2
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71.9	71.9	71.9
77.7	77.7	77.7

80.4	80.4	80.4
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82.8 82.8 82.8

85.2	85.2	85.2
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86.2	86.2	86.2
86.6	86.6	86.6

80.3	80.3	80.3	80.3
80.3	80.3	80.3	80.3

89.5 89.5 89.5

91.1	91.1	91.1
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92.4	92.4	92.4
93.2	93.2	93.2

93.7	93.7	93.7	93.7
93.7	93.7	93.7	93.7

94.0 94.0 94.0

98.0	98.0	98.0
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99.0	99.0	99.0
99.7	99.7	99.7

99.9	99.9	99.9	99.9
99.9	99.9	99.9	99.9

6.66 6.66 6.66

99.9	99.9	100.0
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51

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE
PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 1500-1700

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE
PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 1500-1700

CEILING

VISIBILITY IN STATUTE MILES

[illegible]

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

[illegible][illegible]

5000	55.2	55.2	55.2	55.2	55.2	55.2
10000	55.2	55.2	55.2	55.2	55.2	55.2
20000	55.2	55.2	55.2	55.2	55.2	55.2
30000	55.2	55.2	55.2	55.2	55.2	55.2
40000	55.2	55.2	55.2	55.2	55.2	55.2
50000	55.2	55.2	55.2	55.2	55.2	55.2
60000	55.2	55.2	55.2	55.2	55.2	55.2
70000	55.2	55.2	55.2	55.2	55.2	55.2
80000	55.2	55.2	55.2	55.2	55.2	55.2
90000	55.2	55.2	55.2	55.2	55.2	55.2
100000	55.2	55.2	55.2	55.2	55.2	55.2

SE 16000	7.6	55.3	55.6	55.6	55.6	55.4	55.4	55.4	55.4
SE 16000	7.6	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6

[illegible][illegible]

6E	10000	8.0	62.3	62.6	62.6	62.6	62.6	62.6	62.6
E	9000	8.0	62.4	62.7	62.7	62.7	62.6	62.6	62.6

[illegible][illegible][illegible]

E	SQUJ	8.3	73.5	73.7	73.7	73.7	73.7
E	WUJI	8.3	73.1	73.7	73.7	73.7	73.7
E	WSQI	8.3	75.1	75.6	75.6	75.6	75.6
E	USQI	8.3	75.5	75.6	75.6	75.6	75.6

[illegible][illegible]

2001	84.9	84.9	84.9	84.9	84.9
2002	84.9	84.9	84.9	84.9	84.9
2003	84.9	84.9	84.9	84.9	84.9
2004	84.9	84.9	84.9	84.9	84.9
2005	84.9	84.9	84.9	84.9	84.9
2006	84.9	84.9	84.9	84.9	84.9
2007	84.9	84.9	84.9	84.9	84.9
2008	84.9	84.9	84.9	84.9	84.9
2009	84.9	84.9	84.9	84.9	84.9
2010	84.9	84.9	84.9	84.9	84.9
2011	84.9	84.9	84.9	84.9	84.9
2012	84.9	84.9	84.9	84.9	84.9
2013	84.9	84.9	84.9	84.9	84.9
2014	84.9	84.9	84.9	84.9	84.9
2015	84.9	84.9	84.9	84.9	84.9
2016	84.9	84.9	84.9	84.9	84.9
2017	84.9	84.9	84.9	84.9	84.9
2018	84.9	84.9	84.9	84.9	84.9
2019	84.9	84.9	84.9	84.9	84.9
2020	84.9	84.9	84.9	84.9	84.9
2021	84.9	84.9	84.9	84.9	84.9
2022	84.9	84.9	84.9	84.9	84.9
2023	84.9	84.9	84.9	84.9	84.9
2024	84.9	84.9	84.9	84.9	84.9
2025	84.9	84.9	84.9	84.9	84.9
2026	84.9	84.9	84.9	84.9	84.9
2027	84.9	84.9	84.9	84.9	84.9
2028	84.9	84.9	84.9	84.9	84.9
2029	84.9	84.9	84.9	84.9	84.9
2030	84.9	84.9	84.9	84.9	84.9
2031	84.9	84.9	84.9	84.9	84.9
2032	84.9	84.9	84.9	84.9	84.9
2033	84.9	84.9	84.9	84.9	84.9
2034	84.9	84.9	84.9	84.9	84.9
2035	84.9	84.9	84.9	84.9	84.9
2036	84.9	84.9	84.9	84.9	84.9
2037	84.9	84.9	84.9	84.9	84.9
2038	84.9	84.9	84.9	84.9	84.9
2039	84.9	84.9	84.9	84.9	84.9
2040	84.9	84.9	84.9	84.9	84.9
2041	84.9	84.9	84.9	84.9	84.9
2042	84.9	84.9	84.9	84.9	84.9
2043	84.9	84.9	84.9	84.9	84.9
2044	84.9	84.9	84.9	84.9	84.9
2045	84.9	84.9	84.9	84.9	84.9
2046	84.9	84.9	84.9	84.9	84.9
2047	84.9	84.9	84.9	84.9	84.9
2048	84.9	84.9	84.9	84.9	84.9
2049	84.9	84.9	84.9	84.9	84.9
2050	84.9	84.9	84.9	84.9	84.9
2051	84.9	84.9	84.9	84.9	84.9
2052	84.9	84.9	84.9	84.9	84.9
2053	84.9	84.9	84.9	84.9	84.9
2054	84.9	84.9	84.9	84.9	84.9
2055	84.9	84.9	84.9	84.9	84.9
2056	84.9	84.9	84.9	84.9	84.9
2057	84.9	84.9	84.9	84.9	84.9
2058	84.9	84.9	84.9	84.9	84.9
2059	84.9	84.9	84.9	84.9	84.9
2060	84.9	84.9	84.9	84.9	84.9
2061	84.9	84.9	84.9	84.9	84.9

E 2500	8.8	84.2	85.6	86.5	86.7	86.8	86.8	86.8	86.8	86.8
E 2000	8.8	84.0	85.2	87.1	87.3	87.4	87.4	87.4	87.4	87.4

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	8001	80.8	90.4	92.2	92.6	93.2	93.7	93.8	93.8	92.7	92.7	92.7	92.7
E	8001	8.8	86.7	88.8	90.4	92.2	92.6	93.2	93.7	93.8	93.8	93.8	93.8

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	93.5	94.6	95.9	96.7	96.8	97.2	97.2	97.3	97.3	97.3
3001	89.0	91.1	93.5	94.6	95.9	96.7	96.8	97.2	97.2	97.3
4001	86.7	91.2	93.9	95.1	96.9	97.7	97.8	98.2	98.2	98.3
5001	86.7	91.2	93.9	95.1	96.9	97.7	97.8	98.2	98.2	98.3

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2
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U	8.8	86.7	89.1	91.5	94.4	95.6	97.6	98.7	99.1	99.7	99.8	100.0	100.0	100.0
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TOTAL NUMBER OF

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(151): 2100-2300

VISIBILITY IN STATUTE MILES									
IN	1	GE	10	GE	4	GE	3	2	1 1/2
FEET	1	GE	10	GE	4	GE	3	2	1 1/2
.....
NO CEIL	1	4.7	50.9	51.9	52.0	52.0	52.0	52.0	52.0
GE 20000	4.9	56.8	58.3	58.4	58.4	58.4	58.4	58.4	58.4
GE 18000	4.9	56.8	58.3	58.4	58.4	58.4	58.4	58.4	58.4
GE 16000	4.9	56.8	58.3	58.4	58.4	58.4	58.4	58.4	58.4
GE 14000	4.9	56.8	58.3	58.4	58.4	58.4	58.4	58.4	58.4
GE 12000	5.2	58.4	59.9	60.0	60.0	60.0	60.0	60.0	60.0
GE 10000	5.6	63.1	64.6	64.7	64.7	64.7	64.7	64.7	64.7
GE 9000	5.6	63.1	64.6	64.7	64.7	64.7	64.7	64.7	64.7
GE 8000	6.0	66.7	68.3	68.5	68.5	68.5	68.5	68.5	68.5
GE 7000	6.0	67.5	69.1	69.4	69.4	69.4	69.4	69.4	69.4
GE 6000	6.0	68.6	70.2	70.4	70.4	70.4	70.4	70.4	70.4
GE 5000	6.1	70.2	71.9	72.2	72.3	72.3	72.3	72.3	72.3
GE 4500	6.2	71.7	73.4	73.7	73.8	73.8	73.8	73.8	73.8
GE 4000	6.6	77.4	79.4	80.2	80.2	80.2	80.2	80.2	80.2
GE 3500	6.6	79.0	81.2	81.8	82.2	82.2	82.2	82.2	82.2
GE 3000	6.6	80.8	83.0	83.9	84.6	84.6	84.6	84.6	84.6
GE 2500	6.6	81.6	84.0	84.8	85.7	85.7	85.7	85.7	85.7
GE 2000	6.6	83.1	86.1	87.2	88.1	88.1	88.1	88.1	88.1
GE 1800	6.6	83.9	86.6	87.7	88.6	88.6	88.6	88.6	88.6
GE 1500	6.7	84.3	87.2	88.4	89.2	89.2	89.2	89.2	89.2
GE 1200	6.7	84.7	87.7	88.9	89.8	89.8	89.8	89.8	89.8
GE 1000	6.7	85.3	88.7	89.9	90.9	90.9	90.9	90.9	90.9
GE 900	6.7	85.7	89.1	90.6	91.6	91.6	91.6	91.6	91.6
GE 800	6.7	85.8	89.2	91.1	92.0	92.3	92.3	92.3	92.3
GE 700	6.7	85.9	89.6	91.6	93.1	93.3	93.3	93.3	93.3
GE 600	6.7	86.0	89.7	91.9	93.9	94.2	94.2	94.2	94.2
GE 500	6.7	86.2	90.2	92.7	95.3	96.1	96.2	96.2	96.2
GE 400	6.7	86.6	90.5	93.2	96.0	96.6	97.1	97.2	97.2
GE 300	6.7	86.6	90.6	93.4	96.6	97.3	98.0	98.1	98.2
GE 200	6.7	86.6	90.6	93.4	96.7	97.4	98.3	98.4	98.5
GE 100	6.7	86.6	90.6	93.4	96.8	97.5	98.5	98.6	98.7
GE 0	6.7	86.6	90.6	93.4	96.8	97.5	98.5	98.6	98.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE										PERIOD OF RECORD: 77-86										MONTH: MAR HOURS(LST): ALL									
CEILING										VISIBILITY IN STATUTE MILES																			
IN	1	GE	10	6	5	4	3	2	1 1/2	1	1/4	GE	3/4	5/8	1/2	5/16	GE	1/4	0										
FEET	1	GE	10	6	5	4	3	2	1 1/2	1	1/4	GE	3/4	5/8	1/2	5/16	GE	1/4	0										
NO CEIL	1	5.9	48.0	48.9	49.2	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5										
GE 20000	6.4	54.6	55.7	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3										
GE 18000	6.4	54.8	55.8	56.2	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5										
GE 16000	6.5	54.9	56.0	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5										
GE 14000	6.6	55.5	56.6	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2										
GE 12000	6.6	56.5	57.7	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3										
GE 10000	6.8	60.7	62.0	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7										
GE 9000	6.9	61.6	62.9	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5										
GE 8000	7.0	64.8	66.1	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8										
GE 7000	7.0	65.7	67.1	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7										
GE 6000	7.2	66.6	68.1	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8										
GE 5000	7.2	69.5	71.2	71.7	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1										
GE 4500	7.3	71.3	73.1	73.7	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1										
GE 4000	7.5	76.1	78.2	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6										
GE 3500	7.6	77.6	79.8	80.8	81.1	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4										
GE 3000	7.6	79.4	81.8	82.8	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6										
GE 2500	7.6	80.4	83.1	84.3	84.9	85.0	85.0	85.1	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3										
GE 2000	7.6	81.3	84.3	85.7	86.4	86.5	86.5	86.7	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9										
GE 1800	7.6	81.5	84.5	86.0	86.7	86.8	86.8	87.0	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2										
GE 1500	7.6	82.0	85.2	86.7	87.6	87.6	87.6	88.0	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3										
GE 1200	7.6	82.5	85.9	87.6	88.5	88.5	88.5	89.1	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4										
GE 1000	7.6	82.9	86.5	88.2	89.4	89.4	89.4	90.0	90.2	90.2	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4										
GE 900	7.6	83.2	86.9	88.7	90.0	90.3	90.3	90.7	90.9	90.9	90.9	90.9	91.1	91.1	91.1	91.2	91.2	91.2	91.2										
GE 800	7.6	83.5	87.4	89.5	91.0	91.5	92.0	92.0	92.2	92.2	92.2	92.2	92.4	92.5	92.5	92.5	92.5	92.5	92.5										
GE 700	7.6	83.6	87.7	90.0	91.7	92.2	92.7	92.7	93.0	93.0	93.0	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3										
GE 600	7.6	83.7	87.8	90.3	92.2	92.8	93.3	93.3	93.6	93.6	93.6	93.6	93.9	93.9	93.9	94.0	94.0	94.0	94.0										
GE 500	7.6	83.9	88.2	90.9	93.2	94.1	95.1	95.1	95.6	95.6	95.6	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.1										
GE 400	7.6	84.1	88.4	91.2	93.8	94.8	96.0	96.0	96.6	96.6	96.6	97.1	97.2	97.2	97.2	97.3	97.3	97.3	97.3										
GE 300	7.6	84.1	88.4	91.3	94.1	95.2	96.7	96.7	97.4	97.4	97.4	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.3										
GE 200	7.6	84.1	88.5	91.4	94.2	95.4	96.9	96.9	97.7	97.7	97.7	98.4	98.7	98.7	98.7	98.9	98.9	98.9	98.9										
GE 100	7.6	84.1	88.5	91.4	94.2	95.4	96.9	96.9	97.7	97.7	97.7	98.5	98.8	98.8	98.9	99.0	99.0	99.0	99.0										
GE 01	7.6	84.1	88.5	91.4	94.2	95.4	96.9	96.9	97.7	97.7	97.7	98.5	98.8	98.8	98.9	99.0	99.0	99.0	99.0										

TOTAL NUMBER OF OBSERVATIONS: 7439

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTHS APR HOURS 1511: 0000-0200

CEILING VISIBILITY IN STATUTE MILES
IN 1 GE 2 GE 3 GE 4 GE 5 GE 6 GE 7 GE 8 GE 9 GE 10 GE 11 GE 12 GE 13 GE 14 GE 15 GE 16 GE 17 GE 18 GE 19 GE 20 GE 21 GE 22 GE 23 GE 24 GE 25 GE 26 GE 27 GE 28 GE 29 GE 30 GE 31 GE 32 GE 33 GE 34 GE 35 GE 36 GE 37 GE 38 GE 39 GE 40 GE 41 GE 42 GE 43 GE 44 GE 45 GE 46 GE 47 GE 48 GE 49 GE 50 GE 51 GE 52 GE 53 GE 54 GE 55 GE 56 GE 57 GE 58 GE 59 GE 60 GE 61 GE 62 GE 63 GE 64 GE 65 GE 66 GE 67 GE 68 GE 69 GE 70 GE 71 GE 72 GE 73 GE 74 GE 75 GE 76 GE 77 GE 78 GE 79 GE 80 GE 81 GE 82 GE 83 GE 84 GE 85 GE 86 GE 87 GE 88 GE 89 GE 90 GE 91 GE 92 GE 93 GE 94 GE 95 GE 96 GE 97 GE 98 GE 99 GE 100 GE 101 GE 102 GE 103 GE 104 GE 105 GE 106 GE 107 GE 108 GE 109 GE 110 GE 111 GE 112 GE 113 GE 114 GE 115 GE 116 GE 117 GE 118 GE 119 GE 120 GE 121 GE 122 GE 123 GE 124 GE 125 GE 126 GE 127 GE 128 GE 129 GE 130 GE 131 GE 132 GE 133 GE 134 GE 135 GE 136 GE 137 GE 138 GE 139 GE 140 GE 141 GE 142 GE 143 GE 144 GE 145 GE 146 GE 147 GE 148 GE 149 GE 150 GE 151 GE 152 GE 153 GE 154 GE 155 GE 156 GE 157 GE 158 GE 159 GE 160 GE 161 GE 162 GE 163 GE 164 GE 165 GE 166 GE 167 GE 168 GE 169 GE 170 GE 171 GE 172 GE 173 GE 174 GE 175 GE 176 GE 177 GE 178 GE 179 GE 180 GE 181 GE 182 GE 183 GE 184 GE 185 GE 186 GE 187 GE 188 GE 189 GE 190 GE 191 GE 192 GE 193 GE 194 GE 195 GE 196 GE 197 GE 198 GE 199 GE 200 GE 201 GE 202 GE 203 GE 204 GE 205 GE 206 GE 207 GE 208 GE 209 GE 210 GE 211 GE 212 GE 213 GE 214 GE 215 GE 216 GE 217 GE 218 GE 219 GE 220 GE 221 GE 222 GE 223 GE 224 GE 225 GE 226 GE 227 GE 228 GE 229 GE 230 GE 231 GE 232 GE 233 GE 234 GE 235 GE 236 GE 237 GE 238 GE 239 GE 240 GE 241 GE 242 GE 243 GE 244 GE 245 GE 246 GE 247 GE 248 GE 249 GE 250 GE 251 GE 252 GE 253 GE 254 GE 255 GE 256 GE 257 GE 258 GE 259 GE 260 GE 261 GE 262 GE 263 GE 264 GE 265 GE 266 GE 267 GE 268 GE 269 GE 270 GE 271 GE 272 GE 273 GE 274 GE 275 GE 276 GE 277 GE 278 GE 279 GE 280 GE 281 GE 282 GE 283 GE 284 GE 285 GE 286 GE 287 GE 288 GE 289 GE 290 GE 291 GE 292 GE 293 GE 294 GE 295 GE 296 GE 297 GE 298 GE 299 GE 300 GE 301 GE 302 GE 303 GE 304 GE 305 GE 306 GE 307 GE 308 GE 309 GE 310 GE 311 GE 312 GE 313 GE 314 GE 315 GE 316 GE 317 GE 318 GE 319 GE 320 GE 321 GE 322 GE 323 GE 324 GE 325 GE 326 GE 327 GE 328 GE 329 GE 330 GE 331 GE 332 GE 333 GE 334 GE 335 GE 336 GE 337 GE 338 GE 339 GE 340 GE 341 GE 342 GE 343 GE 344 GE 345 GE 346 GE 347 GE 348 GE 349 GE 350 GE 351 GE 352 GE 353 GE 354 GE 355 GE 356 GE 357 GE 358 GE 359 GE 360 GE 361 GE 362 GE 363 GE 364 GE 365 GE 366 GE 367 GE 368 GE 369 GE 370 GE 371 GE 372 GE 373 GE 374 GE 375 GE 376 GE 377 GE 378 GE 379 GE 380 GE 381 GE 382 GE 383 GE 384 GE 385 GE 386 GE 387 GE 388 GE 389 GE 390 GE 391 GE 392 GE 393 GE 394 GE 395 GE 396 GE 397 GE 398 GE 399 GE 400 GE 401 GE 402 GE 403 GE 404 GE 405 GE 406 GE 407 GE 408 GE 409 GE 410 GE 411 GE 412 GE 413 GE 414 GE 415 GE 416 GE 417 GE 418 GE 419 GE 420 GE 421 GE 422 GE 423 GE 424 GE 425 GE 426 GE 427 GE 428 GE 429 GE 430 GE 431 GE 432 GE 433 GE 434 GE 435 GE 436 GE 437 GE 438 GE 439 GE 440 GE 441 GE 442 GE 443 GE 444 GE 445 GE 446 GE 447 GE 448 GE 449 GE 450 GE 451 GE 452 GE 453 GE 454 GE 455 GE 456 GE 457 GE 458 GE 459 GE 460 GE 461 GE 462 GE 463 GE 464 GE 465 GE 466 GE 467 GE 468 GE 469 GE 470 GE 471 GE 472 GE 473 GE 474 GE 475 GE 476 GE 477 GE 478 GE 479 GE 480 GE 481 GE 482 GE 483 GE 484 GE 485 GE 486 GE 487 GE 488 GE 489 GE 490 GE 491 GE 492 GE 493 GE 494 GE 495 GE 496 GE 497 GE 498 GE 499 GE 500 GE 501 GE 502 GE 503 GE 504 GE 505 GE 506 GE 507 GE 508 GE 509 GE 510 GE 511 GE 512 GE 513 GE 514 GE 515 GE 516 GE 517 GE 518 GE 519 GE 520 GE 521 GE 522 GE 523 GE 524 GE 525 GE 526 GE 527 GE 528 GE 529 GE 530 GE 531 GE 532 GE 533 GE 534 GE 535 GE 536 GE 537 GE 538 GE 539 GE 540 GE 541 GE 542 GE 543 GE 544 GE 545 GE 546 GE 547 GE 548 GE 549 GE 550 GE 551 GE 552 GE 553 GE 554 GE 555 GE 556 GE 557 GE 558 GE 559 GE 560 GE 561 GE 562 GE 563 GE 564 GE 565 GE 566 GE 567 GE 568 GE 569 GE 570 GE 571 GE 572 GE 573 GE 574 GE 575 GE 576 GE 577 GE 578 GE 579 GE 580 GE 581 GE 582 GE 583 GE 584 GE 585 GE 586 GE 587 GE 588 GE 589 GE 590 GE 591 GE 592 GE 593 GE 594 GE 595 GE 596 GE 597 GE 598 GE 599 GE 600 GE 601 GE 602 GE 603 GE 604 GE 605 GE 606 GE 607 GE 608 GE 609 GE 610 GE 611 GE 612 GE 613 GE 614 GE 615 GE 616 GE 617 GE 618 GE 619 GE 620 GE 621 GE 622 GE 623 GE 624 GE 625 GE 626 GE 627 GE 628 GE 629 GE 630 GE 631 GE 632 GE 633 GE 634 GE 635 GE 636 GE 637 GE 638 GE 639 GE 640 GE 641 GE 642 GE 643 GE 644 GE 645 GE 646 GE 647 GE 648 GE 649 GE 650 GE 651 GE 652 GE 653 GE 654 GE 655 GE 656 GE 657 GE 658 GE 659 GE 660 GE 661 GE 662 GE 663 GE 664 GE 665 GE 666 GE 667 GE 668 GE 669 GE 670 GE 671 GE 672 GE 673 GE 674 GE 675 GE 676 GE 677 GE 678 GE 679 GE 680 GE 681 GE 682 GE 683 GE 684 GE 685 GE 686 GE 687 GE 688 GE 689 GE 690 GE 691 GE 692 GE 693 GE 694 GE 695 GE 696 GE 697 GE 698 GE 699 GE 700 GE 701 GE 702 GE 703 GE 704 GE 705 GE 706 GE 707 GE 708 GE 709 GE 710 GE 711 GE 712 GE 713 GE 714 GE 715 GE 716 GE 717 GE 718 GE 719 GE 720 GE 721 GE 722 GE 723 GE 724 GE 725 GE 726 GE 727 GE 728 GE 729 GE 730 GE 731 GE 732 GE 733 GE 734 GE 735 GE 736 GE 737 GE 738 GE 739 GE 740 GE 741 GE 742 GE 743 GE 744 GE 745 GE 746 GE 747 GE 748 GE 749 GE 750 GE 751 GE 752 GE 753 GE 754 GE 755 GE 756 GE 757 GE 758 GE 759 GE 760 GE 761 GE 762 GE 763 GE 764 GE 765 GE 766 GE 767 GE 768 GE 769 GE 770 GE 771 GE 772 GE 773 GE 774 GE 775 GE 776 GE 777 GE 778 GE 779 GE 780 GE 781 GE 782 GE 783 GE 784 GE 785 GE 786 GE 787 GE 788 GE 789 GE 790 GE 791 GE 792 GE 793 GE 794 GE 795 GE 796 GE 797 GE 798 GE 799 GE 800 GE 801 GE 802 GE 803 GE 804 GE 805 GE 806 GE 807 GE 808 GE 809 GE 810 GE 811 GE 812 GE 813 GE 814 GE 815 GE 816 GE 817 GE 818 GE 819 GE 820 GE 821 GE 822 GE 823 GE 824 GE 825 GE 826 GE 827 GE 828 GE 829 GE 830 GE 831 GE 832 GE 833 GE 834 GE 835 GE 836 GE 837 GE 838 GE 839 GE 840 GE 841 GE 842 GE 843 GE 844 GE 845 GE 846 GE 847 GE 848 GE 849 GE 850 GE 851 GE 852 GE 853 GE 854 GE 855 GE 856 GE 857 GE 858 GE 859 GE 860 GE 861 GE 862 GE 863 GE 864 GE 865 GE 866 GE 867 GE 868 GE 869 GE 870 GE 871 GE 872 GE 873 GE 874 GE 875 GE 876 GE 877 GE 878 GE 879 GE 880 GE 881 GE 882 GE 883 GE 884 GE 885 GE 886 GE 887 GE 888 GE 889 GE 890 GE 891 GE 892 GE 893 GE 894 GE 895 GE 896 GE 897 GE 898 GE 899 GE 900 GE 901 GE 902 GE 903 GE 904 GE 905 GE 906 GE 907 GE 908 GE 909 GE 910 GE 911 GE 912 GE 913 GE 914 GE 915 GE 916 GE 917 GE 918 GE 919 GE 920 GE 921 GE 922 GE 923 GE 924 GE 925 GE 926 GE 927 GE 928 GE 929 GE 930 GE 931 GE 932 GE 933 GE 934 GE 935 GE 936 GE 937 GE 938 GE 939 GE 940 GE 941 GE 942 GE 943 GE 944 GE 945 GE 946 GE 947 GE 948 GE 949 GE 950 GE 951 GE 952 GE 953 GE 954 GE 955 GE 956 GE 957 GE 958 GE 959 GE 960 GE 961 GE 962 GE 963 GE 964 GE 965 GE 966 GE 967 GE 968 GE 969 GE 970 GE 971 GE 972 GE 973 GE 974 GE 975 GE 976 GE 977 GE 978 GE 979 GE 980 GE 981 GE 982 GE 983 GE 984 GE 985 GE 986 GE 987 GE 988 GE 989 GE 990 GE 991 GE 992 GE 993 GE 994 GE 995 GE 996 GE 997 GE 998 GE 999 GE 1000

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86

MONTH: APR HOURS(S): 0300-0500

CEILING

VISIBILITY IN STATUTE MILES

IN	1	GE	10	GE	6	GE	5	GE	4	GE	3	2	1/2	GE	2	1	1/2	1	3/4	5/8	1/2	5/16	1/4	0
FEET	1	GE	10	GE	6	GE	5	GE	4	GE	3	2	1/2	GE	2	1	1/2	1	3/4	5/8	1/2	5/16	1/4	0

NO CEIL	1	4.3	49.0	51.1	52.0	52.2	52.2	52.2	52.4	52.6	52.6	52.7	52.7	52.7	52.7	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 20000	1	4.7	59.7	57.0	58.0	58.2	58.2	58.2	58.4	58.6	58.6	58.7	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 18000	1	4.7	54.7	57.0	58.0	58.2	58.2	58.2	58.4	58.6	58.6	58.7	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 16000	1	4.7	54.7	57.0	58.0	58.2	58.2	58.2	58.4	58.6	58.6	58.7	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 14000	1	4.7	54.8	57.1	58.1	58.3	58.3	58.3	58.5	58.7	58.7	58.8	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 12000	1	4.7	55.3	57.7	58.7	58.9	58.9	58.9	59.1	59.2	59.2	59.3	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 10000	1	4.7	58.1	60.6	61.7	61.9	61.9	61.9	62.1	62.2	62.2	62.3	62.4	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 9000	1	4.7	58.6	61.2	62.4	62.7	62.7	62.7	62.9	63.0	63.0	63.1	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 8000	1	4.7	61.0	63.8	65.3	65.6	65.6	65.6	65.9	66.0	66.0	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 7000	1	4.7	61.9	64.7	66.2	66.4	66.4	66.4	66.6	66.6	66.6	66.7	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 6000	1	4.8	62.8	65.6	67.2	67.4	67.4	67.4	67.6	67.6	67.6	67.7	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 5000	1	4.9	65.8	68.8	70.7	70.9	70.9	71.0	71.2	71.3	71.3	71.4	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 4500	1	5.3	67.3	70.3	72.3	72.7	72.7	72.8	73.0	73.1	73.1	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 4000	1	5.6	72.0	75.6	77.6	78.2	78.2	78.3	78.6	78.7	78.7	78.8	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 3500	1	5.6	73.7	77.2	79.2	79.9	79.9	80.0	80.2	80.4	80.4	80.6	80.7	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 3000	1	5.6	74.4	78.4	80.4	81.2	81.2	81.3	81.8	82.0	82.1	82.2	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 2500	1	5.6	74.8	79.0	81.0	82.1	82.1	82.2	82.7	82.9	83.0	83.1	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 2000	1	5.6	75.7	79.9	82.1	83.4	83.4	83.6	84.0	84.2	84.3	84.4	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 1800	1	5.6	76.0	80.2	82.4	83.9	83.9	84.0	84.4	84.7	84.8	84.9	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 1500	1	5.6	76.2	80.6	82.9	84.3	84.3	84.4	84.9	85.1	85.2	85.3	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 1200	1	5.6	76.3	81.0	84.0	85.6	85.6	85.7	86.1	86.6	86.7	86.8	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 1000	1	5.6	76.7	81.7	85.0	87.0	87.0	87.1	87.8	88.2	88.3	88.6	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 900	1	5.6	76.9	82.0	85.3	87.3	87.3	87.4	88.1	88.6	88.7	88.9	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 800	1	5.6	77.2	82.4	86.0	88.1	88.1	88.2	89.0	89.4	89.6	89.8	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 700	1	5.6	77.2	82.4	86.3	88.7	88.7	88.8	89.7	90.1	90.2	90.4	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 600	1	5.6	77.2	82.7	86.7	89.0	89.0	89.2	90.4	90.9	91.0	91.2	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 500	1	5.6	78.1	84.0	88.3	90.9	91.1	91.1	92.7	93.1	93.2	93.4	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 400	1	5.6	78.4	84.4	89.0	91.9	92.3	92.3	94.3	94.3	94.3	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 300	1	5.6	78.4	84.7	89.6	92.8	93.2	93.2	95.2	95.2	95.2	95.3	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 200	1	5.6	78.4	84.7	89.6	92.9	93.3	93.3	95.3	95.3	95.3	95.4	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 100	1	5.6	78.4	84.7	89.6	92.9	93.3	93.3	95.4	95.4	95.4	95.5	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 0	1	5.6	78.4	84.7	89.6	92.9	93.3	93.3	95.4	95.4	95.4	95.5	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(LST): 0600-0800

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4		0
.....																	
NO CEIL																	
GE 20000	3.7	48.4	50.7	52.3	53.3	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.9	53.9	53.9
GE 18000	3.8	48.9	51.1	52.8	53.8	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.2	54.3	54.3	54.3
GE 16000	3.8	48.9	51.1	52.8	53.8	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.2	54.3	54.3	54.3
GE 14000	3.8	49.7	51.9	53.6	54.7	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.1	55.2	55.2	55.2
GE 12000	4.0	51.2	53.4	55.1	56.2	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.8	56.8	56.8
GE 10000	4.0	53.6	55.8	57.7	58.9	59.0	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.4	59.6	59.6	59.6
GE 9000	4.0	54.9	57.2	59.2	60.7	60.8	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.3	61.4	61.4	61.4
GE 8000	4.0	57.7	60.3	62.8	64.3	64.4	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.1	65.2	65.2	65.2
GE 7000	4.1	60.0	62.7	65.2	66.9	67.0	67.3	67.4	67.4	67.6	67.6	67.6	67.6	67.7	67.8	67.8	67.8
GE 6000	4.1	61.0	63.7	66.2	68.2	68.3	68.7	68.8	68.8	68.9	68.9	68.9	68.9	69.0	69.1	69.1	69.1
GE 5000	4.1	62.6	65.6	68.2	70.2	70.4	70.9	71.1	71.1	71.2	71.2	71.2	71.2	71.3	71.4	71.4	71.4
GE 4500	4.3	63.6	66.6	69.4	71.4	71.7	72.1	72.3	72.3	72.4	72.4	72.4	72.4	72.6	72.7	72.7	72.7
GE 4000	4.3	67.4	70.9	73.9	76.2	76.4	76.9	77.1	77.1	77.2	77.2	77.2	77.2	77.4	77.6	77.7	77.7
GE 3500	4.3	69.4	72.0	75.0	77.4	77.7	78.2	78.4	78.4	78.6	78.6	78.6	78.6	78.8	78.9	79.0	79.0
GE 3000	4.4	69.6	73.2	76.4	78.9	79.1	79.7	80.0	80.0	80.1	80.1	80.1	80.1	80.3	80.4	80.6	80.6
GE 2500	4.4	70.7	74.3	77.8	80.2	80.4	81.0	81.3	81.3	81.4	81.4	81.4	81.4	81.7	81.8	81.9	81.9
GE 2000	4.4	72.1	76.0	79.6	82.0	82.2	82.8	83.1	83.1	83.2	83.4	83.4	83.4	83.7	83.8	83.9	83.9
GE 1800	4.4	72.4	76.3	80.0	82.4	82.6	83.4	83.8	83.8	83.9	84.1	84.1	84.1	84.3	84.4	84.6	84.6
GE 1500	4.4	72.6	76.4	80.2	82.8	83.1	83.9	84.2	84.2	84.4	84.8	84.8	84.8	85.0	85.1	85.2	85.2
GE 1200	4.4	73.0	76.9	81.0	83.8	84.1	85.2	85.6	85.6	85.9	86.2	86.2	86.2	86.4	86.6	86.7	86.7
GE 1000	4.4	73.4	77.3	81.9	84.8	85.1	86.2	86.6	86.6	87.0	87.3	87.3	87.3	87.6	87.7	87.8	87.8
GE 900	4.4	73.4	77.3	82.0	85.0	85.3	86.7	87.0	87.1	87.6	87.9	87.9	87.9	88.1	88.2	88.3	88.3
GE 800	4.4	73.8	77.9	82.8	85.8	86.3	87.7	88.0	88.1	88.7	89.0	89.0	89.0	89.2	89.3	89.4	89.4
GE 700	4.4	74.3	78.4	83.6	86.6	87.3	88.7	89.1	89.2	89.8	90.1	90.1	90.1	90.3	90.4	90.6	90.6
GE 600	4.4	74.3	78.4	83.6	86.7	87.4	89.1	89.6	89.7	90.2	90.6	90.6	90.6	90.8	90.9	91.0	91.0
GE 500	4.4	74.6	78.7	84.3	87.9	88.8	91.0	91.6	91.7	92.2	92.7	92.7	92.7	92.9	93.0	93.1	93.1
GE 400	4.4	74.7	78.8	84.7	88.9	89.7	92.4	93.2	93.3	94.2	94.7	94.7	94.7	94.9	95.0	95.1	95.1
GE 300	4.4	74.7	78.8	84.7	89.1	90.0	93.2	94.2	94.3	95.6	96.0	96.0	96.0	96.3	96.4	96.6	96.6
GE 200	4.4	74.7	78.8	84.7	89.2	90.1	93.4	94.6	94.8	96.0	97.0	97.0	97.0	97.2	98.0	98.3	98.6
GE 100	4.4	74.7	78.8	84.7	89.2	90.1	93.4	94.6	94.8	96.1	97.2	97.2	97.2	97.6	98.7	99.1	100.0
GE	01	4.4	74.7	78.8	84.7	89.2	90.1	93.4	94.6	94.8	96.1	97.2	97.2	97.6	98.7	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(IST): 1200-1400

VISIBILITY IN STATUTE MILES												
CEILING	1	2	3	4	5	6	10	100	1000	10000	100000	1000000
FEET	10	100	1000	10000	100000	1000000	10000000	100000000	1000000000	10000000000	100000000000	1000000000000
NO CEIL	1	2	3	4	5	6	10	100	1000	10000	100000	1000000
GE 200000	8.6	54.8	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 180000	8.6	54.8	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 160000	8.6	54.8	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 140000	8.6	55.4	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 120000	8.6	56.2	56.7	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 100000	8.8	60.8	61.2	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 90000	8.8	61.0	61.4	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 80000	8.9	64.7	65.4	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 70000	9.0	66.0	66.8	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 60000	9.1	67.4	68.3	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 50000	9.1	70.9	71.9	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 45000	9.1	72.2	73.2	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 40000	9.4	77.8	79.1	80.9	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 35000	9.7	79.1	80.4	82.2	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 30000	9.7	81.0	82.4	84.6	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 25000	9.7	81.3	82.9	85.0	85.3	85.6	85.8	85.8	85.8	85.8	85.8	85.8
GE 20000	9.8	82.3	84.0	86.2	86.6	86.8	87.0	87.0	87.0	87.0	87.0	87.0
GE 18000	9.8	82.8	84.6	86.9	87.2	87.6	87.8	87.8	87.8	87.8	87.8	87.8
GE 15000	9.8	83.4	85.2	87.9	88.3	88.7	88.9	88.9	88.9	88.9	88.9	88.9
GE 12000	9.8	83.8	85.7	88.8	89.6	89.9	90.2	90.2	90.2	90.2	90.2	90.2
GE 10000	9.8	84.4	86.4	89.8	91.3	91.8	92.1	92.3	92.3	92.3	92.3	92.3
GE 9000	9.8	84.7	86.7	90.2	91.9	92.4	92.8	93.0	93.0	93.0	93.0	93.0
GE 8000	9.8	84.7	87.0	90.7	92.6	93.1	93.6	93.9	93.9	93.9	93.9	93.9
GE 7000	9.8	84.7	87.0	90.7	92.9	93.4	93.9	94.2	94.3	94.3	94.3	94.3
GE 6000	9.8	84.8	87.1	91.0	93.3	94.1	94.8	95.1	95.3	95.3	95.3	95.3
GE 5000	9.8	85.0	87.4	91.6	94.2	95.3	96.0	96.4	96.8	97.1	97.1	97.1
GE 4000	9.8	85.0	87.4	91.6	94.3	95.6	96.6	97.2	97.6	98.0	98.0	98.0
GE 3000	9.8	85.0	87.4	91.6	94.4	95.7	96.8	97.9	98.3	98.8	99.0	99.1
GE 2000	9.8	85.0	87.4	91.7	94.6	96.0	97.1	98.2	98.3	98.8	99.3	99.6
GE 1000	9.8	85.0	87.4	91.7	94.6	96.0	97.1	98.2	98.3	98.8	99.3	99.6
GE 01	9.8	85.0	87.4	91.7	94.6	96.0	97.1	98.2	98.3	98.8	99.3	99.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	1	2	3	4	5	6	10	1/4	1/2	3/4
NO CEIL	1	2	3	4	5	6	10	1/4	1/2	3/4
GE 20000	8.7	57.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 18000	8.7	57.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 16000	8.7	57.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 14000	8.7	57.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 12000	8.7	58.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 10000	8.8	61.8	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 9000	9.0	63.0	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 8000	9.2	65.0	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 7000	9.2	67.0	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 6000	9.2	67.7	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 5000	9.3	71.4	73.8	74.2	74.3	74.3	74.3	74.3	74.3	74.3
GE 4500	9.6	73.8	76.1	76.6	76.7	76.7	76.7	76.7	76.7	76.7
GE 4000	9.8	78.8	81.2	82.6	82.7	82.7	82.7	82.7	82.7	82.7
GE 3500	9.8	80.1	82.6	83.6	84.0	84.1	84.1	84.1	84.1	84.1
GE 3000	9.8	81.8	84.6	85.7	86.4	86.7	86.7	86.7	86.7	86.7
GE 2500	9.8	82.4	85.2	86.4	87.4	87.7	87.7	87.7	87.7	87.7
GE 2000	9.9	83.0	86.9	88.3	89.6	89.9	89.9	89.9	89.9	89.9
GE 1800	9.9	84.0	86.9	88.3	89.6	89.9	89.9	89.9	89.9	89.9
GE 1500	9.9	84.3	87.2	88.7	90.0	90.3	90.3	90.4	90.4	90.4
GE 1200	9.9	84.8	88.0	89.4	90.9	91.1	91.4	91.6	91.6	91.6
GE 1000	9.9	85.3	89.0	90.6	92.3	92.7	93.0	93.1	93.1	93.1
GE 900	9.9	85.6	89.6	91.2	93.1	93.4	93.9	94.0	94.0	94.0
GE 800	9.9	85.9	90.1	91.9	94.2	94.7	95.1	95.2	95.4	95.4
GE 700	9.9	86.1	90.3	92.2	94.7	95.1	95.6	95.7	96.0	96.0
GE 600	9.9	86.3	90.6	92.4	94.9	95.3	95.8	96.0	96.4	96.4
GE 500	9.9	86.7	91.0	92.9	95.6	96.1	96.8	97.3	97.8	97.8
GE 400	9.9	86.8	91.1	93.0	95.8	96.3	97.0	97.7	98.2	98.3
GE 300	9.9	86.8	91.2	93.1	95.9	96.4	97.1	97.8	98.6	98.8
GE 200	9.9	86.8	91.2	93.1	95.9	96.4	97.1	97.8	98.6	99.0
GE 100	9.9	86.8	91.2	93.1	95.9	96.4	97.1	97.8	98.6	99.4
GE	0	9.9	86.8	91.2	93.1	95.9	96.4	97.1	97.8	98.8
GE	0	9.9	86.8	91.2	93.1	95.9	96.4	97.1	97.8	98.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(S): 11: 1800-2000

..... VISIBILITY IN STATUTE MILES

IN	1	GE	6	5	4	3	2	1/2	2	1	1/2	1	3/4	5/8	1/2	5/16	1/4	GE
FEET	10	GE	6	5	4	3	2	1/2	2	1	1/2	1	3/4	5/8	1/2	5/16	1/4	GE

NO CEIL 1 6.9 48.8 49.6 49.9 50.1 50.1 50.1 50.1 50.1 50.1 50.1 50.1 50.1 50.1 50.1 50.1 50.1

GE 20000 1 7.3 57.1 58.0 58.4 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7

GE 18000 1 7.4 57.6 58.5 58.9 59.1 59.1 59.1 59.1 59.1 59.1 59.1 59.1 59.1 59.1 59.1 59.1 59.1

GE 16000 1 7.4 57.7 58.6 59.0 59.2 59.2 59.2 59.2 59.2 59.2 59.2 59.2 59.2 59.2 59.2 59.2 59.2

GE 14000 1 7.4 57.9 58.8 59.2 59.4 59.4 59.4 59.4 59.4 59.4 59.4 59.4 59.4 59.4 59.4 59.4 59.4

GE 12000 1 7.4 59.3 60.2 60.7 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9

GE 10000 1 7.7 62.8 63.9 64.7 64.9 64.9 64.9 64.9 64.9 64.9 64.9 64.9 64.9 64.9 64.9 64.9 64.9

GE 9000 1 7.7 63.7 64.8 65.6 65.8 65.8 65.8 65.8 65.8 65.8 65.8 65.8 65.8 65.8 65.8 65.8 65.8

GE 8000 1 7.7 66.6 67.9 68.9 69.1 69.1 69.1 69.1 69.1 69.1 69.1 69.1 69.1 69.1 69.1 69.1 69.1

GE 7000 1 7.7 68.3 69.7 71.0 71.3 71.3 71.3 71.3 71.3 71.3 71.3 71.3 71.3 71.3 71.3 71.3 71.3

GE 6000 1 7.8 69.0 70.4 71.8 72.4 72.4 72.4 72.4 72.4 72.4 72.4 72.4 72.4 72.4 72.4 72.4 72.4

GE 5000 1 8.1 72.1 73.6 75.2 75.9 75.9 75.9 75.9 75.9 75.9 75.9 75.9 75.9 75.9 75.9 75.9 75.9

GE 4500 1 8.3 73.8 75.2 76.9 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.6

GE 4000 1 8.3 78.2 80.3 82.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1

GE 3500 1 8.3 79.7 81.9 83.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7

GE 3000 1 8.3 81.1 83.6 85.4 86.6 86.6 86.6 86.6 86.6 86.6 86.6 86.6 86.6 86.6 86.6 86.6 86.6

GE 2500 1 8.3 81.3 83.8 86.1 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7

GE 2000 1 8.3 82.4 85.2 87.9 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6

GE 1800 1 8.3 82.4 85.2 87.9 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6

GE 1500 1 8.3 83.1 86.0 89.0 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7

GE 1200 1 8.3 83.3 86.3 89.3 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6

GE 1000 1 8.3 84.1 87.1 90.2 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6

GE 900 1 8.3 84.2 87.2 90.6 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9

GE 800 1 8.3 84.7 87.7 91.1 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8

GE 700 1 8.3 84.9 87.9 91.3 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0

GE 600 1 8.3 85.0 88.0 91.4 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2

GE 500 1 8.3 85.2 88.3 92.2 95.0 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1

GE 400 1 8.3 85.2 88.3 92.2 95.6 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7

GE 300 1 8.3 85.2 88.7 92.9 95.9 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1

GE 200 1 8.3 85.2 88.7 92.9 96.1 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3

GE 100 1 3.3 85.2 88.7 92.9 96.1 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3

GE 01 3.3 85.2 88.7 92.9 96.1 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3

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TOTAL NUMBER OF OBSERVATIONS: 900

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE										PERIOD OF RECORD: 77-86										MONTH: APR HOURS(LST): ALL									
CEILING										VISIBILITY IN STATUTE MILES																			
IN	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE		
FEET	10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0														
NO CEIL	1	6.2	48.0	49.0	49.6	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9		
GE 20000	6.4	55.1	56.3	57.0	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3		
GE 18000	6.4	55.2	56.5	57.1	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5		
GE 16000	6.4	55.2	56.5	57.2	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5		
GE 14000	6.4	55.6	56.9	57.5	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9		
GE 12000	6.5	56.8	58.0	58.7	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1		
GE 10000	6.6	60.2	61.6	62.4	62.7	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9		
GE 9000	6.7	61.1	62.5	63.4	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9		
GE 8000	6.8	63.8	65.5	66.6	66.9	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2		
GE 7000	6.8	65.1	66.8	68.0	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6		
GE 6000	6.8	66.1	67.8	69.0	69.5	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8		
GE 5000	7.0	69.1	71.1	72.6	73.1	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4		
GE 4000	7.2	70.9	72.8	74.4	75.0	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3		
GE 3500	7.4	75.4	77.8	79.7	80.4	80.5	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8		
GE 3000	7.5	76.8	79.2	81.2	81.9	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3		
GE 2500	7.5	77.9	80.7	82.7	83.6	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1		
GE 2000	7.5	78.4	81.3	83.5	84.7	84.9	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3		
GE 1800	7.5	79.4	82.4	84.8	86.1	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7		
GE 1500	7.5	79.7	82.7	85.1	86.5	86.7	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1		
GE 1200	7.5	80.1	83.2	85.8	87.3	87.5	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0		
GE 1000	7.5	80.5	83.8	86.7	88.4	88.7	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2		
GE 900	7.5	81.0	84.5	87.6	89.6	89.9	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6		
GE 800	7.5	81.2	84.8	88.1	90.1	90.4	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2		
GE 700	7.5	81.5	85.3	88.8	91.0	91.4	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3		
GE 600	7.5	81.7	85.5	89.2	91.6	92.0	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9		
GE 500	7.5	81.8	85.6	89.4	91.9	92.3	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4		
GE 400	7.5	82.1	86.1	90.2	92.9	93.5	94.5	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0		
GE 300	7.5	82.2	86.3	90.5	93.5	94.1	95.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0		
GE 200	7.5	82.2	86.4	90.8	93.9	94.6	96.0	96.8	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5		
GE 100	7.5	82.2	86.4	90.8	94.0	94.8	96.2	97.0	97.2	97.9	98.3	98.4	98.5	98.7	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1		
GE 01	7.5	82.2	86.4	90.8	94.0	94.8	96.2	97.1	97.3	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5		
GE	01	7.5	82.2	86.4	90.8	94.0	94.8	96.2	97.1	97.3	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5		

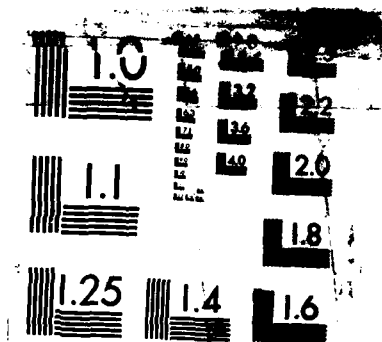
TOTAL NUMBER OF OBSERVATIONS: 7200

AD-A174 643

DOVER AFB DELAWARE REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATIONS (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT AFB IL NOV 86
UNCLASSIFIED USAFETAC/DS-86/862 P/C 4/2

3/4

NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(IST): 0300-0500

VISIBILITY IN STATUTE MILES									
IN	1	GE	2	3	4	5	6	7	8
FEET	10	GE	10	GE	20	30	40	50	60
NO CEIL	1	2.5	42.0	44.9	46.8	47.7	47.8	48.4	48.5
GE 20000	1	2.7	47.0	50.9	53.0	54.3	54.4	54.9	55.2
GE 18000	1	2.7	47.1	51.0	53.1	54.4	54.5	55.1	55.3
GE 16000	1	2.7	47.1	51.0	53.1	54.4	54.5	55.1	55.3
GE 14000	1	2.7	47.2	51.1	53.2	54.5	54.6	55.2	55.4
GE 12000	1	2.8	47.7	51.8	54.0	55.3	55.4	55.9	56.1
GE 10000	1	2.8	52.8	57.3	59.8	61.6	61.7	62.3	62.5
GE 9000	1	2.8	52.9	57.4	60.0	61.9	62.0	62.7	62.9
GE 8000	1	2.9	55.4	60.6	63.4	65.6	65.7	66.3	66.6
GE 7000	1	2.9	56.1	61.4	64.3	66.5	66.6	67.2	67.4
GE 6000	1	2.9	57.0	62.3	65.2	67.3	67.4	68.1	68.3
GE 5000	1	3.2	59.4	65.4	68.8	71.4	71.5	72.2	72.4
GE 4500	1	3.2	59.7	65.8	69.5	72.2	72.3	72.9	73.1
GE 4000	1	3.2	62.4	68.6	72.8	76.0	76.1	76.8	77.0
GE 3500	1	3.2	63.2	69.8	74.1	77.3	77.4	78.1	78.3
GE 3000	1	3.2	63.7	70.5	74.9	78.2	78.3	78.9	79.1
GE 2500	1	3.2	64.2	71.2	75.6	78.8	79.0	79.8	80.0
GE 2000	1	3.2	65.7	72.8	77.3	80.6	81.1	81.8	82.0
GE 1800	1	3.2	66.0	73.1	77.7	81.2	81.6	82.5	82.7
GE 1500	1	3.2	66.3	73.9	78.6	82.3	82.8	83.7	83.9
GE 1000	1	3.2	66.9	74.8	80.0	83.8	84.3	85.3	85.5
GE 900	1	3.2	67.3	75.3	80.5	84.5	85.1	86.0	86.2
GE 800	1	3.3	67.8	75.9	81.6	85.6	86.1	87.2	87.4
GE 700	1	3.3	68.0	76.1	81.8	86.1	86.7	87.7	88.0
GE 600	1	3.3	68.0	76.2	82.0	86.6	87.2	88.3	88.5
GE 500	1	3.3	68.2	76.8	82.9	88.1	89.2	90.4	90.6
GE 400	1	3.3	68.3	76.9	83.3	88.8	90.4	91.7	92.0
GE 300	1	3.3	68.5	77.1	83.7	89.1	91.0	92.6	93.3
GE 200	1	3.3	68.5	77.1	83.7	89.5	91.3	93.2	94.1
GE 100	1	3.3	68.5	77.1	83.7	89.6	91.5	93.4	94.4
GE 0	1	3.3	68.5	77.1	83.7	89.6	91.5	93.4	94.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(IST): 0600-0800

CEILING VISIBILITY IN STATUTE MILES

IN FEET 10 6 5 4 3 2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 1/4 0

NO CEIL 1 2.7 40.5 44.1 46.1 46.6 46.8 47.7 48.0 48.2 48.3 48.4 48.4 48.4 48.4

GE 20000 2.8 46.2 51.1 53.5 54.1 54.3 55.3 55.5 55.7 55.8 55.9 55.9 55.9 55.9

GE 18000 2.8 46.6 51.4 53.9 54.4 54.6 55.6 55.8 56.0 56.1 56.2 56.2 56.2 56.2

GE 16000 2.8 47.0 51.8 54.3 54.8 55.1 56.0 56.2 56.5 56.6 56.7 56.7 56.7 56.7

GE 14000 2.8 47.4 52.5 55.2 55.8 56.0 57.0 57.2 57.4 57.5 57.6 57.6 57.6 57.6

GE 12000 2.9 49.4 54.6 57.4 58.2 58.4 59.5 59.7 59.9 60.0 60.1 60.1 60.1 60.1

GE 10000 2.9 52.9 58.5 62.2 63.2 63.4 64.6 64.8 65.1 65.3 65.4 65.4 65.4 65.4

GE 9000 2.9 53.5 59.1 62.8 64.0 64.2 65.6 65.8 66.0 66.2 66.3 66.3 66.3 66.3

GE 8000 3.1 56.0 61.9 66.3 68.2 68.5 70.0 70.2 70.4 70.6 70.8 70.8 70.8 70.8

GE 7000 3.2 56.8 62.8 67.4 69.5 69.8 71.3 71.5 71.7 71.9 72.0 72.0 72.0 72.0

GE 6000 3.2 57.7 63.8 68.5 70.5 70.9 72.6 72.9 73.1 73.3 73.4 73.4 73.4 73.4

GE 5000 3.2 59.5 65.6 70.4 73.0 73.3 75.3 75.6 75.8 76.0 76.1 76.1 76.1 76.1

GE 4500 3.2 59.9 66.1 71.0 73.5 73.9 75.9 76.2 76.5 76.7 76.8 76.8 76.8 76.8

GE 4000 3.2 61.7 68.3 73.3 76.2 76.6 78.6 78.9 79.1 79.4 79.5 79.5 79.5 79.5

GE 3500 3.2 61.9 68.5 73.7 76.6 76.9 78.9 79.2 79.5 79.7 79.8 79.8 79.8 79.8

GE 3000 3.2 62.2 68.7 74.1 77.1 77.4 79.5 79.8 80.0 80.2 80.3 80.3 80.3 80.3

GE 2500 3.2 62.2 68.7 74.3 77.5 77.8 80.0 80.3 80.5 80.9 81.0 81.0 81.0 81.0

GE 2000 3.2 62.7 69.6 75.6 78.9 79.4 81.5 81.8 82.0 82.4 82.5 82.5 82.5 82.5

GE 1800 3.2 62.7 69.6 75.7 79.0 79.6 81.7 82.0 82.3 82.6 82.7 82.7 82.7 82.7

GE 1500 3.2 63.2 70.3 76.6 79.9 80.4 82.6 82.9 83.1 83.4 83.5 83.5 83.5 83.5

GE 1200 3.2 64.2 71.6 78.3 81.7 82.6 84.7 85.1 85.3 85.6 85.7 85.7 85.7 85.7

GE 1000 3.2 65.1 72.6 79.4 83.3 84.4 86.7 87.0 87.2 87.5 87.6 87.6 87.6 87.6

GE 900 3.2 65.1 72.7 79.5 83.5 84.7 87.0 87.3 87.5 87.8 88.0 88.0 88.0 88.0

GE 800 3.2 65.2 72.9 79.9 84.2 85.4 88.0 88.3 88.5 88.9 89.0 89.0 89.0 89.0

GE 700 3.2 65.4 73.4 80.6 85.1 86.3 89.9 89.4 89.7 90.1 90.2 90.2 90.2 90.2

GE 600 3.2 65.4 73.5 80.8 85.2 86.6 89.1 89.6 89.9 90.3 90.4 90.4 90.4 90.4

GE 500 3.2 65.5 74.1 81.9 86.5 88.0 91.1 91.7 92.0 92.5 92.6 92.6 92.6 92.6

GE 400 3.2 65.7 74.5 82.4 87.4 89.5 92.8 93.8 94.1 94.6 94.8 94.8 94.8 94.8

GE 300 3.2 65.8 74.7 82.7 88.1 90.3 93.7 94.7 95.1 96.0 96.6 96.6 96.6 96.6

GE 200 3.2 65.8 74.7 82.7 88.1 90.3 93.7 94.8 95.2 96.3 97.1 97.2 97.5 97.8

GE 100 3.2 65.8 74.7 82.7 88.2 90.4 93.8 94.9 95.3 96.6 97.3 97.4 97.7 98.2

GE 0 3.2 65.8 74.7 82.7 88.2 90.4 93.8 94.9 95.3 96.6 97.3 97.4 97.7 98.3

0 3.2 65.8 74.7 82.7 88.2 90.4 93.8 94.9 95.3 96.6 97.3 97.4 97.7 98.3

0 3.2 65.8 74.7 82.7 88.2 90.4 93.8 94.9 95.3 96.6 97.3 97.4 97.7 98.3

0 3.2 65.8 74.7 82.7 88.2 90.4 93.8 94.9 95.3 96.6 97.3 97.4 97.7 98.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724086 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(SLT): 1200-1400

VISIBILITY IN STATUTE MILES												
CEILING	1	2	3	4	5	6	7	8	9	10	11	12
FEET	10	100	200	300	400	500	600	700	800	900	1000	1200
NO CEIL	4.8	44.7	45.9	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 20000	6.1	55.5	56.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 18000	6.1	55.7	56.9	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 16000	6.1	55.8	57.0	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 14000	6.1	55.7	57.8	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 12000	6.2	57.7	59.1	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 10000	6.2	61.2	62.6	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 9000	6.2	61.8	63.2	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 8000	6.5	64.9	66.5	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 7000	6.5	65.5	67.0	67.5	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 6000	6.5	65.9	67.4	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 5000	6.5	67.7	69.2	69.9	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 4500	6.5	68.6	70.1	70.8	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 4000	6.7	74.4	76.0	76.7	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 3500	6.7	77.3	79.1	79.9	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 3000	6.7	81.2	83.4	84.3	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 2500	6.7	83.0	85.5	86.5	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5
GE 2000	6.7	84.1	86.6	87.6	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9
GE 1800	6.7	84.5	87.1	88.3	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6
GE 1500	6.7	84.9	87.7	89.2	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2
GE 1200	6.7	85.8	89.5	91.1	92.9	93.3	93.5	93.5	93.5	93.5	93.5	93.5
GE 1000	6.7	86.1	90.1	91.8	93.9	94.4	94.7	94.7	94.7	94.7	94.7	94.7
GE 900	6.7	86.3	90.4	92.2	94.2	94.7	95.1	95.1	95.1	95.1	95.1	95.1
GE 800	6.7	86.6	90.9	93.0	95.3	95.8	96.1	96.2	96.2	96.2	96.2	96.2
GE 700	6.7	87.0	91.5	93.8	96.2	96.9	97.4	97.7	97.7	97.7	97.7	97.7
GE 600	6.7	87.0	91.6	93.9	96.5	97.1	97.7	98.1	98.3	98.3	98.3	98.3
GE 500	6.7	87.1	91.7	94.3	97.1	98.0	98.6	98.9	99.1	99.2	99.2	99.2
GE 400	6.7	87.1	91.7	94.3	97.1	98.0	98.7	99.0	99.2	99.4	99.4	99.4
GE 300	6.7	87.1	91.7	94.3	97.1	98.0	98.7	99.4	99.6	99.7	99.7	99.7
GE 200	6.7	87.1	91.7	94.3	97.1	98.3	99.0	99.7	99.9	100.0	100.0	100.0
GE 100	6.7	87.1	91.7	94.3	97.3	98.3	99.0	99.7	99.9	100.0	100.0	100.0
GE 0	6.7	87.1	91.7	94.3	97.3	98.3	99.0	99.7	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

230

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(UT): 1800-2000

CEILING VISIBILITY IN STATUTE MILES

IN 1 GE 6 5 4 3 2 1 1/2 1 3/4 5/8 1/2 5/16 1/4 0

FEET 10 6 5 4 3 2 1 1/2 1 3/4 5/8 1/2 5/16 1/4 0

NO CEIL 1 6.5 46.2 47.2 47.5 47.6 47.6 47.6 47.6 47.6 47.6 47.6 47.6 47.6

GE 20000 7.1 55.7 57.1 57.6 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7

GE 18000 7.1 55.7 57.1 57.6 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7

GE 16000 7.3 55.9 57.3 57.8 58.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0

GE 14000 7.3 57.3 58.7 59.2 59.4 59.4 59.4 59.4 59.4 59.4 59.4 59.4 59.4 59.4

GE 12000 7.3 58.2 59.8 60.3 60.4 60.4 60.4 60.4 60.4 60.4 60.4 60.4 60.4 60.4

GE 10000 7.3 61.5 63.4 64.0 64.1 64.1 64.1 64.1 64.1 64.1 64.1 64.1 64.1 64.1

GE 9000 7.3 63.0 64.9 65.5 65.6 65.6 65.6 65.6 65.6 65.6 65.6 65.6 65.6 65.6

GE 8000 7.3 66.1 68.4 69.2 69.2 69.2 69.2 69.2 69.2 69.2 69.2 69.2 69.2 69.2

GE 7000 7.3 67.1 69.6 70.1 70.6 70.6 70.6 70.6 70.6 70.6 70.6 70.6 70.6 70.6

GE 6000 7.3 68.1 70.6 71.2 71.9 71.9 71.9 71.9 71.9 71.9 71.9 71.9 71.9 71.9

GE 5000 7.3 71.0 73.8 74.4 75.4 75.4 75.4 75.4 75.4 75.4 75.4 75.4 75.4 75.4

GE 4500 7.3 72.3 75.4 76.0 77.1 77.1 77.1 77.1 77.1 77.1 77.1 77.1 77.1 77.1

GE 4000 7.3 75.8 79.0 80.3 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4

GE 3500 7.3 76.8 80.2 81.5 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6

GE 3000 7.3 78.8 82.4 83.9 84.9 85.1 85.4 85.5 85.5 85.5 85.5 85.5 85.5 85.5

GE 2500 7.3 79.9 83.5 85.1 86.5 86.6 87.0 87.1 87.1 87.1 87.1 87.1 87.1 87.1

GE 2000 7.3 80.8 84.4 86.2 87.8 88.1 88.7 88.8 88.8 88.8 88.8 88.8 88.8 88.8

GE 1800 7.3 81.0 84.6 86.7 88.4 88.6 89.4 89.5 89.5 89.5 89.5 89.5 89.5 89.5

GE 1500 7.3 81.5 85.7 88.0 89.7 89.9 90.6 90.8 90.8 90.8 90.8 90.8 90.8 90.8

GE 1200 7.3 82.3 86.6 89.4 91.1 91.3 92.4 92.5 92.5 92.5 92.5 92.5 92.5 92.5

GE 1000 7.3 82.4 86.9 89.7 91.4 91.7 92.9 93.0 93.0 93.0 93.0 93.0 93.0 93.0

GE 900 7.3 82.4 87.2 90.2 92.0 92.5 93.7 93.8 93.8 93.8 93.8 93.8 93.8 93.8

GE 800 7.3 82.4 87.3 90.4 92.4 93.0 94.3 94.4 94.4 94.4 94.4 94.4 94.4 94.4

GE 700 7.3 82.9 88.1 91.3 93.3 94.1 95.5 95.7 95.7 95.7 95.7 95.7 95.7 95.7

GE 600 7.3 83.3 88.5 91.7 93.8 94.5 95.9 96.1 96.1 96.1 96.1 96.1 96.1 96.1

GE 500 7.3 83.4 88.6 92.2 94.7 95.6 97.0 97.4 97.4 97.4 97.4 97.4 97.4 97.4

GE 400 7.3 83.5 88.9 92.5 95.1 95.9 97.4 97.8 97.8 97.8 97.8 97.8 97.8 97.8

GE 300 7.3 83.5 88.9 92.5 95.3 96.1 97.7 98.4 98.5 98.5 98.5 98.5 98.5 98.5

GE 200 7.3 83.5 88.9 92.5 95.3 96.1 97.7 98.4 98.5 98.5 98.5 98.5 98.5 98.5

GE 100 7.3 83.5 88.9 92.5 95.3 96.1 97.7 98.4 98.5 98.5 98.5 98.5 98.5 98.5

GE 0 7.3 83.5 88.9 92.5 95.3 96.1 97.7 98.4 98.5 98.5 98.5 98.5 98.5 98.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS/SL: 2100-2300

CEILING

IN VISIBILITY IN STATUTE MILES

FEET 1 10 6 5 4 3 2 1/2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 1/4 0

NO CEIL 1 4.4 46.5 48.7 49.0 49.4 49.4 49.4 49.4 49.4 49.4 49.4 49.4 49.4 49.4 49.4

GE 20000 4.7 53.3 56.5 56.8 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1

GE 18000 4.7 53.4 56.6 56.9 57.2 57.2 57.2 57.2 57.2 57.2 57.2 57.2 57.2 57.2 57.2

GE 16000 4.7 53.4 56.6 56.9 57.2 57.2 57.2 57.2 57.2 57.2 57.2 57.2 57.2 57.2 57.2

GE 14000 4.7 53.8 56.9 57.3 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6

GE 12000 4.7 55.2 58.4 58.8 59.1 59.1 59.1 59.1 59.1 59.1 59.1 59.1 59.1 59.1 59.1

GE 10000 4.7 58.1 61.6 62.0 62.4 62.4 62.4 62.4 62.4 62.4 62.4 62.4 62.4 62.4 62.4

GE 9000 4.7 58.9 62.5 62.9 63.2 63.2 63.2 63.2 63.2 63.2 63.2 63.2 63.2 63.2 63.2

GE 8000 4.9 61.9 65.7 66.3 66.7 66.7 66.7 66.7 66.7 66.7 66.7 66.7 66.7 66.7 66.7

GE 7000 4.9 62.4 66.4 67.2 67.5 67.5 67.5 67.5 67.5 67.5 67.5 67.5 67.5 67.5 67.5

GE 6000 4.9 63.0 67.2 68.0 68.3 68.3 68.3 68.3 68.3 68.3 68.3 68.3 68.3 68.3 68.3

GE 5000 5.1 66.7 71.2 71.9 72.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3 72.3

GE 4500 5.1 67.5 72.2 72.9 73.2 73.2 73.2 73.2 73.2 73.2 73.2 73.2 73.2 73.2 73.2

GE 4000 5.1 71.4 76.6 77.8 78.4 78.4 78.4 78.4 78.4 78.4 78.4 78.4 78.4 78.4 78.4

GE 3500 5.1 73.8 79.5 80.8 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3

GE 3000 5.1 75.5 81.8 83.3 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0

GE 2500 5.1 76.0 82.7 84.2 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1

GE 2000 5.1 76.3 83.1 85.1 85.9 86.0 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3

GE 1800 5.1 76.5 83.3 85.5 86.5 86.6 86.9 87.1 87.2 87.2 87.2 87.2 87.2 87.2 87.2

GE 1500 5.1 76.9 83.9 86.2 87.2 87.3 87.6 87.8 88.0 88.0 88.0 88.0 88.0 88.0 88.0

GE 1200 5.1 78.0 85.2 88.0 89.1 89.2 89.8 90.1 90.3 90.3 90.3 90.3 90.3 90.3 90.3

GE 1000 5.1 78.5 85.7 88.6 89.9 90.0 90.5 90.9 91.1 91.1 91.1 91.1 91.1 91.1 91.1

GE 900 5.1 78.6 85.9 88.9 90.5 90.6 91.2 91.5 91.7 91.7 91.7 91.7 91.7 91.7 91.7

GE 800 5.1 78.8 86.2 89.2 90.9 91.0 91.5 91.8 92.0 92.0 92.0 92.0 92.0 92.0 92.0

GE 700 5.1 79.0 86.7 90.0 91.7 91.8 92.4 92.7 92.9 93.0 93.0 93.0 93.0 93.0 93.0

GE 600 5.1 79.0 86.9 90.2 92.0 92.2 92.7 93.0 93.2 93.3 93.3 93.3 93.3 93.3 93.3

GE 500 5.1 79.6 87.8 91.4 93.9 94.0 94.6 95.1 95.3 95.4 95.4 95.4 95.4 95.4 95.4

GE 400 5.1 79.7 88.1 91.7 94.7 94.8 95.6 96.1 96.5 96.6 96.6 96.6 96.6 96.6 96.6

GE 300 5.1 79.8 88.3 92.4 95.8 95.9 96.7 97.3 97.6 97.7 97.7 97.7 97.7 97.7 97.7

GE 200 5.1 79.8 88.3 92.4 95.9 96.1 97.2 98.3 98.6 98.7 98.9 99.1 99.2 99.6 99.7

GE 100 5.1 79.8 88.3 92.4 95.9 96.1 97.2 98.3 98.6 98.7 98.9 99.1 99.2 99.6 99.7

GE 0 5.1 79.8 88.3 92.4 95.9 96.1 97.2 98.3 98.6 98.7 98.9 99.1 99.2 99.6 100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(LSTD): ALL

VISIBILITY IN STATUTE MILES									
CEILING	1	2	3	4	5	6	7	8	9
IN	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	10	1/2	1/4	1	1/2	1/4	1	1/2	1/4
0	0	0	0	0	0	0	0	0	0
NO CEIL	4.3	45.3	47.2	48.0	48.3	48.4	48.6	48.7	48.8
48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
5E 20000	4.9	52.8	55.3	56.3	56.6	56.7	56.9	57.0	57.1
57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
5E 18000	4.9	53.0	55.5	56.5	56.8	56.9	57.1	57.2	57.3
57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
5E 16000	4.9	53.1	55.6	56.6	57.0	57.0	57.2	57.3	57.4
57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
5E 14000	4.9	53.8	56.3	57.3	57.7	57.8	58.0	58.1	58.2
58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
5E 12000	5.0	54.8	57.5	58.5	59.0	59.2	59.3	59.4	59.5
59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
5E 10000	5.0	58.6	61.6	62.9	63.4	63.5	63.7	63.8	63.9
64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
5E 9000	5.0	59.4	62.5	63.7	64.3	64.4	64.7	64.8	64.9
64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
5E 8000	5.1	62.4	65.8	67.3	68.0	68.1	68.4	68.5	68.6
68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
5E 7000	5.1	63.2	66.7	68.3	69.1	69.2	69.5	69.6	69.7
69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
5E 6000	5.1	63.9	67.5	69.1	70.0	70.1	70.4	70.5	70.6
70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
5E 5000	5.2	66.3	70.1	71.9	73.0	73.1	73.5	73.6	73.7
73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
5E 4500	5.2	66.9	70.9	72.7	73.9	74.0	74.5	74.5	74.7
74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
5E 4000	5.3	70.5	74.8	76.9	78.4	78.6	79.0	79.1	79.2
79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
5E 3500	5.3	71.9	76.5	78.7	80.2	80.3	80.8	80.9	81.0
81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
5E 3000	5.3	73.6	78.5	80.9	82.5	82.6	83.1	83.2	83.3
83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
5E 2500	5.3	74.5	79.5	82.0	83.7	83.9	84.4	84.5	84.6
84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
5E 2000	5.3	75.3	80.4	83.2	85.0	85.3	85.8	86.0	86.1
86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
5E 1800	5.3	75.5	80.6	83.5	85.3	85.6	86.2	86.3	86.4
86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
5E 1500	5.3	76.0	81.4	84.3	86.4	86.7	87.3	87.4	87.5
87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
5E 1200	5.3	76.8	82.6	85.9	88.1	88.5	89.2	89.4	89.5
89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
5E 1000	5.3	77.2	83.3	86.8	89.1	89.7	90.4	90.6	90.7
90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
5E 900	5.3	77.4	83.6	87.2	89.6	90.2	91.0	91.1	91.2
91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
5E 800	5.3	77.7	84.0	87.8	90.4	91.0	91.9	92.0	92.1
92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
5E 700	5.3	78.1	84.6	88.5	91.3	92.0	92.9	93.1	93.2
93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
5E 600	5.3	78.1	84.8	88.7	91.6	92.3	93.2	93.5	93.6
93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
5E 500	5.3	78.4	85.4	89.7	93.0	93.9	95.0	95.3	95.5
95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
5E 400	5.3	78.6	85.6	90.0	93.6	94.7	96.0	96.4	96.5
96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
5E 300	5.3	78.6	85.7	90.3	93.9	95.1	96.5	97.1	97.3
97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
5E 200	5.3	78.6	85.7	90.3	94.1	95.3	96.8	97.5	97.7
97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
5E 100	5.3	78.6	85.7	90.3	94.1	95.4	96.9	97.6	97.8
97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
5E 0	5.3	78.6	85.7	90.3	94.1	95.4	96.9	97.6	97.8
97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS: 7400

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAF/CIAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(IST): 0300-0500

CEILING VISIBILITY IN STATUTE MILES

IN FEET 1 10 6 5 4 3 2 1 1/2 1 3/4 5/8 1/2 5/16 1/4 0

NO CEIL	1	3.6	39.0	42.3	47.2	49.6	50.4	51.0	51.7	51.8	52.6	52.7	52.7	52.8	52.8	52.8
GE 20000	1	3.7	45.3	50.4	55.9	59.1	60.2	60.9	61.6	61.7	62.6	62.7	62.7	62.9	62.9	62.9
GE 18000	1	3.7	45.3	50.6	56.0	59.2	60.3	61.0	61.7	61.8	62.7	62.8	62.8	63.0	63.0	63.0
GE 16000	1	3.7	45.3	50.6	56.0	59.2	60.3	61.0	61.7	61.8	62.7	62.8	62.8	63.0	63.0	63.0
GE 14000	1	3.7	45.6	50.9	56.4	59.7	60.9	61.6	62.2	62.6	63.4	63.6	63.6	63.8	63.8	63.8
GE 12000	1	3.7	45.8	51.1	56.7	60.2	61.4	62.1	62.8	63.1	64.0	64.1	64.1	64.3	64.3	64.3
GE 10000	1	3.7	49.6	55.2	61.2	64.9	66.1	66.8	67.7	68.1	69.1	69.2	69.2	69.4	69.4	69.4
GE 9000	1	3.7	50.6	56.2	62.3	66.0	67.2	67.9	68.8	69.2	70.2	70.3	70.3	70.6	70.6	70.6
GE 8000	1	3.7	53.8	59.8	66.3	70.1	71.4	72.1	73.0	73.4	74.4	74.6	74.6	74.8	74.8	74.8
GE 7000	1	3.8	55.2	61.3	67.9	71.7	73.0	73.7	74.6	75.0	76.0	76.1	76.1	76.3	76.3	76.3
GE 6000	1	3.8	55.7	61.9	68.4	72.2	73.6	74.2	75.1	75.6	76.6	76.7	76.7	76.9	76.9	76.9
GE 5000	1	3.8	56.4	62.9	69.7	73.7	75.1	75.8	76.7	77.1	78.1	78.2	78.2	78.4	78.4	78.4
GE 4500	1	3.8	57.7	64.2	71.0	75.2	76.7	77.3	78.2	78.7	79.7	79.8	79.8	80.0	80.0	80.0
GE 4000	1	3.8	61.7	69.3	76.6	80.9	82.3	83.2	84.1	84.6	85.6	85.7	85.7	85.9	85.9	85.9
GE 3500	1	3.8	62.3	70.2	77.4	81.9	83.4	84.3	85.2	85.7	86.7	86.8	86.8	87.0	87.0	87.0
GE 3000	1	3.8	62.8	70.9	78.1	82.6	84.1	85.0	85.9	86.3	87.3	87.4	87.4	87.7	87.7	87.7
GE 2500	1	3.8	63.0	71.1	78.4	82.9	84.4	85.6	86.4	86.9	87.9	88.0	88.0	88.2	88.2	88.2
GE 2000	1	3.8	63.8	72.1	79.6	84.0	85.6	86.8	87.9	88.3	89.3	89.4	89.4	89.7	89.7	89.7
GE 1800	1	3.8	64.1	72.6	80.0	84.4	86.0	87.2	88.3	88.8	89.8	89.9	89.9	90.1	90.1	90.1
GE 1500	1	3.8	64.6	73.1	80.7	85.1	86.7	87.9	89.0	89.4	90.4	90.6	90.6	90.8	90.8	90.8
GE 1200	1	3.8	64.8	73.4	81.1	85.7	87.2	88.4	89.6	90.0	91.0	91.1	91.1	91.3	91.3	91.3
GE 1000	1	3.8	64.9	73.6	81.2	86.2	87.8	89.0	90.1	90.6	91.6	91.7	91.7	91.9	91.9	91.9
GE 900	1	3.8	65.0	73.7	81.3	86.3	88.1	89.4	90.6	91.0	92.0	92.1	92.1	92.3	92.3	92.3
GE 800	1	3.8	65.4	74.2	82.2	87.2	89.1	90.4	91.6	92.0	93.0	93.1	93.1	93.3	93.3	93.3
GE 700	1	3.8	66.0	75.1	83.1	88.1	90.0	91.3	92.4	92.9	93.9	94.0	94.0	94.2	94.2	94.2
GE 600	1	3.8	66.0	75.2	83.3	88.6	90.4	91.8	92.9	93.3	94.3	94.4	94.4	94.7	94.7	94.7
GE 500	1	3.8	66.0	75.4	83.7	89.4	91.3	92.8	93.9	94.3	95.3	95.4	95.4	95.7	95.7	95.7
GE 400	1	3.8	66.3	75.8	84.0	90.0	91.9	93.4	94.6	95.0	96.0	96.1	96.1	96.6	96.6	96.6
GE 300	1	3.8	66.3	75.8	84.0	90.2	92.2	94.0	95.1	95.6	96.6	96.7	96.7	97.2	97.2	97.2
GE 200	1	3.8	66.3	75.8	84.0	90.2	92.2	94.0	95.2	95.7	96.9	97.1	97.1	98.0	98.0	98.2
GE 100	1	3.8	66.3	75.8	84.0	90.2	92.2	94.0	95.2	95.7	96.9	97.2	97.2	98.2	98.7	99.4
GE	01	3.8	66.3	75.8	84.0	90.2	92.2	94.0	95.2	95.7	96.9	97.2	97.2	98.2	98.7	99.4
GE	01	3.8	66.3	75.8	84.0	90.2	92.2	94.0	95.2	95.7	96.9	97.2	97.2	98.2	98.7	99.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(SLT): 0600-0800

VISIBILITY IN STATUTE MILES												
CEILING	1	2	3	4	5	6	GE	1 1/2	1 3/4	2	3/4	5/8
FEET	10	10	10	10	10	10	GE	1 1/2	1 3/4	2	3/4	5/8
NO CEIL	1	1	1	1	1	1	GE	1 1/2	1 3/4	2	3/4	5/8
GE 20000	4.6	45.3	49.9	55.2	58.8	60.4	61.8	62.6	62.7	62.8	63.0	63.2
GE 18000	4.6	45.4	50.0	55.6	59.1	60.8	62.1	62.9	63.0	63.1	63.3	63.6
GE 16000	4.6	45.7	50.3	55.9	59.4	61.1	62.4	63.2	63.3	63.4	63.7	63.9
GE 14000	4.6	46.0	50.7	56.3	59.9	61.6	62.9	63.7	63.8	63.9	64.1	64.3
GE 12000	4.8	46.8	51.4	57.1	60.7	62.3	63.7	64.4	64.6	64.7	64.9	65.1
GE 10000	4.9	49.7	55.3	62.4	66.7	68.3	69.8	70.8	70.9	71.0	71.2	71.4
GE 9000	5.0	50.8	56.9	64.0	68.2	70.0	71.4	72.4	72.6	72.7	72.9	73.1
GE 8000	5.1	51.3	57.4	64.5	68.7	70.5	71.9	72.9	73.0	73.1	73.3	73.5
GE 7000	5.1	51.3	57.4	64.5	68.7	70.5	71.9	72.9	73.0	73.1	73.3	73.5
GE 6000	5.3	55.2	62.3	70.4	74.9	76.8	78.2	79.3	79.4	79.6	79.8	80.0
GE 5000	5.3	56.4	63.6	71.7	76.2	78.1	79.7	80.9	81.0	81.1	81.3	81.6
GE 4500	5.3	56.8	64.0	72.1	76.7	78.6	80.1	81.3	81.4	81.6	81.8	82.0
GE 4000	5.3	58.0	65.4	73.9	78.4	80.4	82.0	83.2	83.3	83.6	83.8	84.0
GE 3500	5.3	58.9	66.4	74.9	79.4	81.4	83.0	84.3	84.4	84.7	84.9	85.1
GE 3000	5.3	59.3	67.0	75.7	80.2	82.3	84.1	85.4	85.6	85.8	86.0	86.2
GE 2500	5.3	59.8	67.4	76.1	80.6	83.0	85.0	86.4	86.6	86.8	87.0	87.2
GE 2000	5.3	60.3	68.2	77.3	82.2	84.4	86.6	88.0	88.1	88.4	88.8	89.0
GE 1800	5.3	60.6	68.4	77.6	82.4	84.8	86.9	88.3	88.4	88.8	89.1	89.3
GE 1500	5.3	60.8	68.8	77.9	82.8	85.1	87.3	88.8	88.9	89.2	89.6	89.8
GE 1200	5.3	61.2	69.3	78.6	83.4	85.9	88.1	89.6	89.7	90.0	90.3	90.6
GE 1000	5.3	61.6	69.7	78.9	84.0	86.6	88.9	90.3	90.4	90.8	91.1	91.3
GE 900	5.3	61.7	69.9	79.2	84.6	87.2	89.6	91.0	91.1	91.4	91.8	92.0
GE 800	5.3	62.0	70.3	80.0	85.3	88.1	90.4	91.9	92.0	92.3	92.7	92.9
GE 700	5.3	62.4	70.8	80.4	85.9	88.7	91.2	92.7	92.8	93.1	93.4	93.7
GE 600	5.3	62.4	70.9	80.6	86.1	88.9	91.4	92.9	93.0	93.3	93.7	93.9
GE 500	5.3	62.4	70.9	80.7	86.9	89.7	92.6	94.3	94.4	95.1	95.6	95.8
GE 400	5.3	62.6	71.1	81.0	87.3	90.3	93.4	95.3	95.4	96.6	97.2	97.6
GE 300	5.3	62.6	71.1	81.0	87.4	90.4	93.9	95.9	96.0	97.1	98.1	98.6
GE 200	5.3	62.6	71.1	81.0	87.4	90.4	94.0	96.0	96.1	97.3	98.6	99.0
GE 100	5.3	62.6	71.1	81.0	87.4	90.4	94.0	96.0	96.1	97.3	98.6	99.1
GE 0	5.3	62.6	71.1	81.0	87.4	90.4	94.0	96.0	96.1	97.3	98.6	99.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86

MONTH: JUN HOURS(UT): 0900-1100

CEILING

VISIBILITY IN STATUTE MILES

IN	1	GE	10	GE	6	GE	5	GE	4	GE	3	2	1/2	GE	2	1	1/2	GE	1	3/4	GE	5/8	1/2	5/16	GE	1/4	GE	
FEET	1	10	6	5	4	3	2	1/2	1	1/4	1	1/4	1	3/4	1	3/4	5/8	1/2	5/16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	0

NO CEIL 1 7.4 49.7 53.8 56.0 56.8 57.0 57.1

GE 20000 7.8 57.9 62.6 65.1 66.3 66.6 66.6 66.7

GE 18000 7.8 57.9 62.6 65.1 66.3 66.6 66.6 66.7

GE 16000 7.8 57.9 62.6 65.1 66.3 66.6 66.6 66.7

GE 14000 7.8 57.9 62.6 65.1 66.3 66.6 66.6 66.7

GE 12000 7.8 57.9 62.6 65.1 66.3 66.6 66.6 66.7

GE 10000 7.9 63.8 69.1 72.3 73.6 73.8 73.8 73.9

GE 9000 7.9 63.8 69.1 72.3 73.6 73.8 73.8 73.9

GE 8000 8.2 67.1 73.3 77.3 78.9 79.2 79.4 79.6

GE 7000 8.4 67.8 74.0 78.0 79.7 80.0 80.2 80.4

GE 6000 8.4 68.2 74.4 78.4 80.2 80.6 80.8 81.0

GE 5000 8.4 69.8 76.1 80.1 81.9 82.2 82.4 82.7

GE 4500 8.4 70.1 76.4 80.6 82.4 82.8 83.0 83.2

GE 4000 8.4 71.2 78.2 82.7 84.7 85.0 85.2 85.4

GE 3500 8.4 72.3 79.3 83.9 85.9 86.2 86.6 86.8

GE 3000 8.4 73.8 80.8 85.6 88.0 88.4 88.8 89.0

GE 2500 8.6 74.8 81.9 87.0 89.4 89.9 90.3 90.6 90.6 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7

GE 2000 8.6 75.2 82.6 87.9 90.4 90.9 91.3

GE 1800 8.6 75.2 82.6 87.9 90.4 90.9 91.3

GE 1500 8.6 75.7 83.2 88.7 91.9 92.0 92.4

GE 1200 8.6 76.2 83.8 89.2 92.3 93.0 93.4

GE 1000 8.6 76.6 84.2 89.8 93.1 93.8 94.3

GE 900 8.6 76.6 84.2 89.8 93.1 94.0 94.6

GE 800 8.6 76.6 84.2 89.8 93.1 94.2 94.8

GE 700 8.6 76.7 84.3 90.0 93.9 94.7 95.3

GE 600 8.6 76.8 84.4 90.1 94.0 94.8 95.6

GE 500 8.6 77.1 84.9 91.1 95.1 96.0 96.8

GE 400 8.6 77.1 84.9 91.1 95.4 96.8 97.8

GE 300 8.6 77.1 84.9 91.1 95.6 96.9 98.1

GE 200 8.6 77.1 84.9 91.1 95.6 96.9 98.1

GE 100 8.6 77.1 84.9 91.1 95.6 96.9 98.1

GE 0 8.6 77.1 84.9 91.1 95.6 96.9 98.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS (LST): 1200-1400

CEILING VISIBILITY IN STATUTE MILES

IN FEET	10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	9.6	49.1	51.6	53.1	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 20000	10.3	57.1	60.6	62.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 18000	10.3	57.1	60.8	62.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 16000	10.3	57.8	61.2	62.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 14000	10.6	58.9	62.4	64.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 12000	10.6	59.3	63.0	64.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 10000	10.8	63.7	67.4	69.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 9000	10.9	64.2	68.0	70.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 8000	11.1	67.7	72.0	74.0	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 7000	11.3	68.8	73.1	75.1	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 6000	11.3	69.8	74.1	76.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 5000	11.7	71.6	75.9	77.9	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 4500	11.7	72.2	76.6	78.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 4000	12.0	76.4	81.2	83.6	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 3500	12.0	77.8	82.8	85.3	88.2	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 3000	12.0	81.7	87.2	90.0	93.0	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 2500	12.0	81.7	87.3	90.2	93.3	93.8	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 2000	12.0	82.1	87.3	90.8	93.9	94.3	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 1800	12.0	82.2	88.1	91.3	94.1	94.6	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 1500	12.0	82.3	88.2	91.1	94.2	94.7	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1200	12.0	82.8	88.8	91.9	95.7	96.1	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1000	12.0	83.0	89.1	92.2	96.1	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 900	12.0	83.0	89.1	92.2	96.2	96.8	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 800	12.0	83.2	89.6	92.7	96.8	97.3	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 700	12.0	83.3	89.7	92.8	96.9	97.4	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 600	12.0	83.4	89.8	92.9	97.0	97.7	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 500	12.0	83.4	89.8	93.3	97.8	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	12.0	83.4	89.8	93.3	97.8	98.6	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	12.0	83.4	89.8	93.3	97.9	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	12.0	83.4	89.8	93.3	97.9	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	12.0	83.4	89.8	93.3	97.9	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 0	12.0	83.4	89.8	93.3	97.9	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 1500-1700

CEILING
IN FEET

VISIBILITY IN STATUTE MILES

10 6 5 4 3 2 1 1/2 1 3/4 5/8 1/2 5/16 1/4 0

NO CEIL 1 7.3 49.9 52.4 54.0 54.3 54.3 54.3 54.3 54.3 54.3 54.3 54.3 54.3

GE 20000 7.6 59.3 63.0 65.0 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3

GE 18000 7.7 59.6 63.2 65.2 65.6 65.6 65.6 65.6 65.6 65.6 65.6 65.6 65.6

GE 16000 7.7 59.8 63.4 65.4 65.8 65.8 65.8 65.8 65.8 65.8 65.8 65.8 65.8

GE 14000 7.7 60.7 64.3 66.3 66.7 66.7 66.7 66.7 66.7 66.7 66.7 66.7 66.7

GE 12000 8.0 62.1 65.9 68.2 68.7 68.7 68.7 68.7 68.7 68.7 68.7 68.7 68.7

GE 10000 8.2 65.4 69.8 72.1 72.7 72.7 72.7 72.7 72.7 72.7 72.7 72.7 72.7

GE 9000 8.8 66.8 71.1 73.4 74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0

GE 8000 8.8 68.7 73.4 76.1 77.0 77.0 77.0 77.0 77.0 77.0 77.0 77.0 77.0

GE 7000 8.8 70.2 75.0 77.7 78.6 78.6 78.6 78.6 78.6 78.6 78.6 78.6 78.6

GE 6000 8.8 71.6 76.3 79.1 80.2 80.2 80.2 80.2 80.2 80.2 80.2 80.2 80.2

GE 5000 9.0 73.0 77.8 80.8 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9

GE 4500 9.0 74.1 79.0 82.0 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1

GE 4000 9.2 79.1 84.7 87.9 89.2 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3

GE 3500 9.2 80.8 86.8 90.2 91.8 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9

GE 3000 9.2 82.4 88.6 92.0 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7

GE 2500 9.2 83.1 89.7 93.3 95.1 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2

GE 2000 9.2 83.7 90.3 94.1 95.9 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0

GE 1800 9.2 84.0 90.8 94.7 96.6 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7

GE 1600 9.2 84.0 90.8 94.7 96.6 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7

GE 1400 9.2 84.1 90.9 94.8 97.3 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4

GE 1200 9.2 84.2 91.0 94.9 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4

GE 1000 9.2 84.3 91.2 95.2 97.9 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0

GE 900 9.2 84.3 91.2 95.2 98.1 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3

GE 800 9.2 84.3 91.2 95.2 98.1 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3

GE 700 9.2 84.3 91.2 95.2 98.1 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3

GE 600 9.2 84.3 91.2 95.2 98.1 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3

GE 500 9.2 84.3 91.2 95.3 98.2 98.6 99.3 99.4 99.4 99.4 99.4 99.4 99.4

GE 400 9.2 84.3 91.2 95.3 98.2 98.6 99.3 99.4 99.4 99.4 99.4 99.4 99.4

GE 300 9.2 84.3 91.2 95.4 98.3 98.7 99.4 99.6 99.6 99.6 99.6 99.6 99.6

GE 200 9.2 84.3 91.2 95.4 98.3 98.7 99.4 99.6 99.6 99.6 99.6 99.6 99.6

GE 100 9.2 84.3 91.2 95.4 98.3 98.7 99.4 99.6 99.6 99.6 99.6 99.6 99.6

GE 0 9.2 84.3 91.2 95.4 98.3 98.7 99.4 99.6 99.6 99.6 99.6 99.6 99.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: JUN HOURS: 1800-2000

CEILING VISIBILITY IN STATUTE MILES

IN GE 10 6 5 4 3 2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 1/4 0

FEET 10 6 5 4 3 2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 1/4 0

NO CEIL 1 6.5 49.2 51.6 52.4 53.6 53.7 53.8 53.8 53.8 53.8 53.8 53.8 53.8 53.8

GE 20000 6.6 59.4 63.3 64.9 66.5 66.6 66.7 66.7 66.7 66.7 66.7 66.7 66.7 66.7

GE 18000 6.8 59.6 63.5 65.1 66.7 66.8 66.9 66.9 66.9 66.9 66.9 66.9 66.9 66.9

GE 16000 6.8 59.7 63.6 65.3 66.8 66.9 67.0 67.0 67.0 67.0 67.0 67.0 67.0 67.0

GE 14000 6.8 60.0 64.3 65.9 67.5 67.6 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7

GE 12000 6.8 61.0 65.4 67.3 68.8 68.9 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0

GE 10000 7.5 64.5 69.3 71.4 72.9 73.2 73.4 73.4 73.4 73.4 73.4 73.4 73.4 73.4

GE 9000 7.7 65.0 69.8 71.9 73.5 73.7 73.9 73.9 73.9 73.9 73.9 73.9 73.9 73.9

GE 8000 7.9 67.9 73.1 75.6 77.4 77.7 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0

GE 7000 7.9 69.6 74.8 77.4 79.3 79.6 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8

GE 6000 7.9 70.7 76.1 78.7 80.6 81.0 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2

GE 5000 7.9 72.4 78.0 80.8 82.7 83.1 83.3 83.4 83.4 83.4 83.4 83.4 83.4 83.4

GE 4500 7.9 73.2 78.7 81.7 83.6 84.0 84.2 84.3 84.3 84.3 84.3 84.3 84.3 84.3

GE 4000 7.9 76.5 83.1 86.2 88.3 88.6 89.1 89.2 89.2 89.2 89.2 89.2 89.2 89.2

GE 3500 7.9 78.2 85.0 88.1 90.3 90.6 91.1 91.2 91.2 91.2 91.2 91.2 91.2 91.2

GE 3000 7.9 79.8 87.0 90.3 92.7 93.0 93.5 93.8 93.8 93.8 93.8 93.8 93.8 93.8

GE 2500 7.9 80.4 87.5 90.9 93.4 93.9 94.4 94.7 94.7 94.7 94.7 94.7 94.7 94.7

GE 2000 7.9 80.4 87.5 91.3 94.0 94.4 95.0 95.3 95.3 95.3 95.3 95.3 95.3 95.3

GE 1800 7.9 80.4 87.5 91.3 94.0 94.4 95.0 95.3 95.3 95.3 95.3 95.3 95.3 95.3

GE 1500 7.9 80.6 87.8 91.6 94.3 94.9 95.5 95.9 95.9 95.9 95.9 95.9 95.9 95.9

GE 1200 7.9 80.7 88.3 92.3 95.0 95.5 96.2 96.5 96.5 96.5 96.5 96.5 96.5 96.5

GE 1000 7.9 81.0 88.5 92.7 95.7 96.3 97.0 97.3 97.3 97.3 97.3 97.3 97.3 97.3

GE 900 7.9 81.0 88.5 92.7 95.7 96.3 97.0 97.3 97.3 97.3 97.3 97.3 97.3 97.3

GE 800 7.9 81.5 89.1 93.4 96.5 97.2 98.0 98.3 98.3 98.3 98.3 98.3 98.3 98.3

GE 700 7.9 81.5 89.2 93.5 96.7 97.3 98.1 98.4 98.4 98.4 98.4 98.4 98.4 98.4

GE 600 7.9 81.5 89.3 93.7 96.8 97.4 98.2 98.6 98.6 98.6 98.6 98.6 98.6 98.6

GE 500 7.9 81.7 89.5 94.1 97.4 98.1 98.9 99.2 99.2 99.2 99.2 99.2 99.2 99.2

GE 400 7.9 81.7 89.5 94.1 97.6 98.2 99.1 99.4 99.4 99.4 99.4 99.4 99.4 99.4

GE 300 7.9 81.7 89.5 94.1 97.6 98.2 99.2 99.6 99.6 99.6 99.6 99.6 99.6 99.6

GE 200 7.9 81.7 89.5 94.1 97.6 98.2 99.2 99.6 99.6 99.6 99.6 99.6 99.6 99.6

GE 100 7.9 81.7 89.5 94.1 97.6 98.2 99.2 99.6 99.6 99.6 99.6 99.6 99.6 99.6

GE 01 7.9 81.7 89.5 94.1 97.6 98.2 99.2 99.6 99.6 99.6 99.6 99.6 99.6 99.6

TOTAL NUMBER OF OBSERVATIONS: 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724008 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(UT): 2100-2300

CEILING
IN FEET 10 5 4 3 2 1 1/2 1 3/4 5/8 1/2 5/16 1/4 0
VISIBILITY IN STATUTE MILES
GE GE GE GE GE GE GE GE GE GE GE GE GE GE GE

NO CEIL 4.9 53.7 58.0 61.0 61.8 61.9 62.2 62.3 62.3 62.3 62.3 62.3 62.3 62.3

GE 20000 4.9 60.1 65.1 68.3 69.3 69.5 69.8 69.9 69.9 69.9 69.9 69.9 69.9 69.9

GE 18000 5.0 60.2 65.2 68.5 69.5 69.6 69.9 70.0 70.0 70.0 70.0 70.0 70.0 70.0

GE 16000 5.0 60.2 65.2 68.5 69.5 69.6 69.9 70.0 70.0 70.0 70.0 70.0 70.0 70.0

GE 14000 5.0 60.3 65.3 68.6 69.6 69.7 70.0 70.2 70.2 70.2 70.2 70.2 70.2 70.2

GE 12000 5.0 61.4 66.7 69.9 71.0 71.1 71.5 71.7 71.7 71.7 71.7 71.7 71.7 71.7

GE 10000 5.0 64.4 69.7 73.4 74.6 74.8 75.1 75.4 75.4 75.4 75.4 75.4 75.4 75.4

GE 9000 5.0 64.4 69.7 73.4 74.6 74.8 75.1 75.4 75.4 75.4 75.4 75.4 75.4 75.4

GE 8000 5.0 66.8 72.2 76.5 77.9 78.1 78.5 78.7 78.7 78.7 78.7 78.7 78.7 78.7

GE 7000 5.0 67.0 72.5 76.7 78.4 78.6 78.9 79.2 79.2 79.2 79.2 79.2 79.2 79.2

GE 6000 5.0 67.4 72.9 77.3 78.9 79.2 79.5 79.7 79.7 79.7 79.7 79.7 79.7 79.7

GE 5000 5.0 70.1 76.4 80.9 83.2 83.4 83.7 83.9 83.9 83.9 83.9 83.9 83.9 83.9

GE 4500 5.0 72.0 78.3 82.9 85.2 85.5 85.8 86.1 86.1 86.1 86.1 86.1 86.1 86.1

GE 4000 5.0 74.8 81.7 86.6 89.4 89.7 90.1 90.3 90.3 90.4 90.4 90.4 90.4 90.4

GE 3500 5.0 76.0 82.9 87.8 90.7 91.1 91.4 91.6 91.6 91.6 91.6 91.6 91.6 91.6

GE 3000 5.0 76.6 83.9 89.2 92.5 92.9 93.2 93.4 93.4 93.4 93.4 93.4 93.4 93.4

GE 2500 5.0 76.6 84.1 89.4 92.9 93.2 93.5 93.8 93.8 93.8 93.8 93.8 93.8 93.8

GE 2000 5.0 76.7 84.2 89.7 93.2 93.5 93.9 94.1 94.1 94.1 94.1 94.1 94.1 94.1

GE 1800 5.0 76.7 84.2 89.7 93.2 93.5 93.9 94.1 94.1 94.1 94.1 94.1 94.1 94.1

GE 1500 5.0 77.0 84.5 90.1 93.8 94.1 94.5 94.8 94.8 94.8 94.8 94.8 94.8 94.8

GE 1200 5.0 77.0 84.7 90.5 94.5 94.9 95.3 95.5 95.5 95.5 95.5 95.5 95.5 95.5

GE 1000 5.0 77.3 84.9 91.0 95.0 95.3 95.8 96.0 96.0 96.0 96.0 96.0 96.0 96.0

GE 900 5.0 77.5 85.2 91.5 95.7 96.0 96.4 96.7 96.7 96.7 96.7 96.7 96.7 96.7

GE 800 5.0 77.6 85.5 91.9 96.1 96.4 96.9 97.1 97.1 97.1 97.1 97.1 97.1 97.1

GE 700 5.0 77.7 85.6 92.0 96.2 96.5 97.0 97.2 97.2 97.2 97.2 97.2 97.2 97.2

GE 600 5.0 77.7 85.7 92.1 96.4 96.8 97.2 97.4 97.4 97.4 97.4 97.4 97.4 97.4

GE 500 5.0 77.8 86.0 92.4 97.0 97.3 97.8 98.0 98.0 98.0 98.0 98.0 98.0 98.0

GE 400 5.0 77.9 86.1 92.9 98.1 98.4 98.9 99.1 99.1 99.1 99.1 99.1 99.1 99.1

GE 300 5.0 77.9 86.1 92.9 98.1 98.4 98.9 99.1 99.1 99.1 99.1 99.1 99.1 99.1

GE 200 5.0 77.9 86.1 92.9 98.1 98.4 98.9 99.1 99.1 99.1 99.1 99.1 99.1 99.1

GE 100 5.0 77.9 86.1 92.9 98.1 98.4 98.9 99.1 99.1 99.1 99.1 99.1 99.1 99.1

GE 0 5.0 77.9 86.1 92.9 98.1 98.4 99.0 99.3 99.3 99.3 99.3 99.3 99.3 99.3

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(IST): ALL

VISIBILITY IN STATUTE MILES																				
IN FEET	1	GE	10	GE	5	GE	4	GE	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	6.1	47.5	51.0	53.7	55.0	55.4	55.7	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 20000	6.3	54.9	59.5	62.5	64.3	64.7	65.1	65.4	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 18000	6.3	55.0	59.6	62.7	64.4	64.9	65.2	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 16000	6.3	55.2	59.8	62.9	64.6	65.1	65.4	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 14000	6.4	55.7	60.4	63.5	65.3	65.7	66.1	66.4	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 12000	6.4	56.6	61.3	64.5	66.3	66.8	67.2	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 10000	6.6	59.9	65.0	68.7	70.6	71.1	71.5	71.9	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 9000	6.7	60.6	65.8	69.5	71.5	72.0	72.4	72.7	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 8000	6.8	63.3	69.0	73.2	75.4	76.0	76.4	76.8	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 7000	6.9	64.4	70.1	74.3	76.6	77.2	77.6	78.0	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 6000	6.9	65.2	70.9	75.2	77.6	78.2	78.6	79.0	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 5000	7.0	66.9	73.0	77.4	79.8	80.5	80.9	81.3	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 4500	7.0	67.9	74.0	78.5	81.0	81.7	82.1	82.5	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 4000	7.1	71.0	77.8	82.6	85.4	86.1	86.6	87.0	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 3500	7.1	72.3	79.2	84.0	87.0	87.7	88.3	88.7	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 3000	7.1	73.6	80.8	85.8	88.9	89.6	90.3	90.7	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 2500	7.1	74.0	81.3	86.4	89.6	90.4	91.1	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 2000	7.1	74.5	81.9	87.2	90.4	91.2	92.0	92.5	92.6	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1800	7.1	74.6	82.0	87.4	90.6	91.4	92.2	92.7	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1500	7.1	74.9	82.4	87.9	91.2	92.0	92.8	93.4	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1200	7.1	75.1	82.8	88.3	91.9	92.8	93.6	94.2	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1000	7.1	75.4	83.1	88.7	92.5	93.3	94.2	94.8	94.9	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 900	7.1	75.4	83.2	88.8	92.7	93.6	94.6	95.1	95.2	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 800	7.1	75.7	83.5	89.4	93.3	94.2	95.2	95.8	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 700	7.1	75.9	83.8	89.6	93.6	94.6	95.6	96.2	96.3	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 600	7.1	76.0	83.9	89.8	93.9	94.9	95.9	96.5	96.5	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 500	7.1	76.1	84.1	90.2	94.6	95.6	96.7	97.4	97.5	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 400	7.1	76.2	84.2	90.5	95.0	96.1	97.3	98.0	98.1	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 300	7.1	76.2	84.3	90.5	95.1	96.3	97.6	98.3	98.4	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 200	7.1	76.2	84.3	90.5	95.1	96.3	97.6	98.4	98.5	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 100	7.1	76.2	84.3	90.5	95.1	96.3	97.6	98.4	98.5	99.0	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 0	7.1	76.2	84.3	90.5	95.1	96.3	97.6	98.4	98.5	99.0	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 7195

GLOBAL CLIMATOLOGY BRANCH
USAFETAC

AIR WEATHER SERVICE/MAC

STATION NUMBER: 720088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
MONTH: JUL HOURS(151): 0000-0200

..... VISIBILITY IN STATUTE MILES

CEILING

IN 1 GE 10 6 GE 5 GE 4 GE 3 2 1/2 GE 2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 1/4 0

FEET 10 6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 1/4 0

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NO CEIL 1 3.4 39.9 47.1 51.1 53.3 53.9 54.4 54.8 54.8 55.1 55.1 55.1 55.1 55.1 55.1

GE 20000 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 18000 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 16000 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 14000 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 12000 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 10000 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 8000 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 7000 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 6000 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 5000 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 4500 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 4000 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 3500 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 3000 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 2500 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 2000 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 1800 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 1500 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 1200 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 1000 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 900 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 800 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 700 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 600 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 500 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 400 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 300 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 200 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 100 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

GE 0 1 3.5 45.3 54.2 59.5 62.5 63.0 63.7 64.2 64.2 64.4 64.4 64.4 64.4 64.4 64.4

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TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
MONTH: JUL HOURS(IST): 0300-0500

VISIBILITY IN STATUTE MILES												
IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 1/2	GE 5/16
0	0	0	0	0	0	0	0	0	0	0	0	0
NO CEIL	2.9	32.0	39.4	45.5	50.0	51.8	53.9	54.6	55.2	55.5	55.5	55.6
GE 20000	3.0	37.2	46.0	53.4	58.8	61.0	63.4	64.4	64.9	65.3	65.4	65.5
GE 18000	3.0	37.2	46.0	53.4	58.8	61.0	63.4	64.4	64.9	65.3	65.4	65.5
GE 16000	3.0	37.2	46.0	53.4	58.8	61.0	63.4	64.4	64.9	65.3	65.4	65.5
GE 14000	3.0	37.5	46.3	53.9	59.4	61.5	64.1	65.2	65.7	66.0	66.1	66.2
GE 12000	3.1	38.2	47.4	55.2	60.6	62.9	65.6	66.7	67.2	67.5	67.6	67.7
GE 10000	3.2	40.6	51.1	59.2	65.3	67.6	71.2	72.4	72.9	73.2	73.3	73.4
GE 9000	3.2	40.8	51.4	59.8	65.9	68.3	71.8	73.1	73.7	74.0	74.1	74.2
GE 8000	3.2	43.7	55.2	63.9	70.4	73.0	76.7	78.3	78.8	79.2	79.4	79.5
GE 7000	3.2	44.3	56.0	64.7	71.4	74.0	77.6	79.2	79.8	80.2	80.3	80.4
GE 6000	3.2	45.2	57.0	65.7	72.5	75.1	78.7	80.3	80.9	81.3	81.4	81.5
GE 5000	3.2	46.0	58.0	66.8	73.9	76.5	80.1	81.8	82.4	82.9	83.0	83.1
GE 4500	3.2	46.6	58.5	67.5	74.6	77.2	80.9	82.6	83.1	83.5	83.7	83.8
GE 4000	3.2	49.0	61.5	71.2	78.5	81.3	85.2	86.9	87.4	87.8	88.0	88.2
GE 3500	3.2	49.3	62.4	72.0	79.5	82.3	86.1	87.8	88.4	88.8	88.9	89.1
GE 3000	3.2	50.8	63.4	73.1	80.5	83.4	87.3	89.1	89.7	90.1	90.2	90.4
GE 2500	3.2	51.2	63.9	73.5	81.0	83.9	87.7	89.6	90.1	90.5	90.6	90.9
GE 2000	3.2	51.6	64.3	74.0	81.4	84.3	88.3	90.1	90.6	91.1	91.2	91.4
GE 1800	3.2	51.7	64.5	74.2	81.6	84.5	88.5	90.3	90.9	91.3	91.4	91.6
GE 1500	3.2	51.8	64.7	74.7	82.2	85.1	89.1	91.0	91.5	91.9	92.0	92.3
GE 1200	3.2	52.4	65.4	75.4	83.0	85.9	90.1	91.9	92.5	92.9	93.1	93.3
GE 1000	3.2	53.1	66.2	76.2	84.2	87.1	91.3	93.2	93.8	94.3	94.5	94.7
GE 900	3.2	53.3	66.5	76.5	84.7	87.7	91.9	93.9	94.4	94.9	95.2	95.4
GE 800	3.2	53.3	66.5	76.6	84.9	88.0	92.2	94.1	94.6	95.2	95.4	95.6
GE 700	3.2	53.3	66.5	76.7	85.5	88.5	92.7	94.6	95.2	95.7	95.9	96.1
GE 600	3.2	53.3	66.5	76.9	85.7	88.8	93.0	94.9	95.6	96.1	96.3	96.6
GE 500	3.2	53.7	66.8	77.2	86.2	89.6	93.9	95.9	96.6	97.1	97.3	97.5
GE 400	3.2	53.8	67.0	77.4	86.6	90.0	94.3	96.3	97.0	97.5	97.7	98.0
GE 300	3.2	53.8	67.0	77.5	86.7	90.1	94.4	96.5	97.2	97.7	98.0	98.3
GE 200	3.2	53.8	67.0	77.5	86.8	90.3	94.6	96.7	97.4	98.0	98.2	98.6
GE 100	3.2	53.8	67.0	77.5	86.8	90.3	94.6	96.7	97.4	98.0	98.2	98.7
GE 0	3.2	53.8	67.0	77.5	86.8	90.3	94.6	96.7	97.4	98.0	98.2	98.7
GE 0	3.2	53.8	67.0	77.5	86.8	90.3	94.6	96.7	97.4	98.0	98.2	98.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 720088 STATION NAME: DOVER AFB DE										PERIOD OF RECORD: 76-85									
										MONTH: JUL									
										HOURS(IST): 0600-0800									
CEILING										VISIBILITY IN STATUTE MILES									
IN	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	1	10	6	5	4	3	2	1/2	2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NO CEIL	1	3.2	32.6	41.1	47.3	51.7	53.7	55.4	56.1	56.6	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 20000	1	3.5	36.5	45.3	52.6	58.2	60.5	62.8	63.7	64.1	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 18000	1	3.5	36.7	45.5	52.8	58.4	60.8	63.0	63.9	64.3	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 16000	1	3.5	36.8	45.7	53.0	58.6	61.0	63.2	64.1	64.5	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 14000	1	3.5	37.4	46.3	53.7	59.2	61.6	63.9	64.8	65.3	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 12000	1	3.5	38.2	47.8	55.3	60.9	63.4	65.8	66.9	67.3	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 10000	1	3.7	40.0	50.0	58.5	64.7	67.7	70.2	71.7	72.2	73.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5
GE 9000	1	3.7	41.0	51.2	59.7	65.9	69.0	71.6	73.1	73.5	74.4	74.6	74.7	74.8	74.9	74.9	74.9	74.9	74.9
GE 8000	1	3.7	44.6	55.2	64.5	71.0	74.5	77.3	78.8	79.2	80.2	80.4	80.5	80.6	80.8	80.8	80.8	80.8	80.8
GE 7000	1	3.7	45.2	56.0	65.7	72.5	76.1	79.0	80.5	81.0	81.9	82.2	82.3	82.4	82.5	82.5	82.5	82.5	82.5
GE 6000	1	3.7	45.6	56.5	66.5	73.3	77.0	80.0	81.5	81.9	83.0	83.2	83.3	83.4	83.5	83.5	83.5	83.5	83.5
GE 5000	1	3.7	46.3	57.2	67.2	74.1	77.7	80.8	82.3	82.7	83.9	84.1	84.2	84.3	84.4	84.4	84.4	84.4	84.4
GE 4500	1	3.7	47.3	58.4	68.4	75.4	79.0	82.0	83.5	84.0	85.2	85.4	85.5	85.6	85.7	85.7	85.7	85.7	85.7
GE 4000	1	3.7	49.4	60.6	70.8	77.8	81.5	84.7	86.2	86.9	88.1	88.3	88.4	88.5	88.6	88.6	88.6	88.6	88.6
GE 3500	1	3.7	49.5	60.8	70.9	78.0	81.6	84.8	86.3	87.0	88.2	88.4	88.5	88.6	88.7	88.7	88.7	88.7	88.7
GE 3000	1	3.7	49.6	61.0	71.1	78.5	82.2	85.4	87.0	87.6	88.9	89.1	89.2	89.4	89.5	89.5	89.5	89.5	89.5
GE 2500	1	3.7	49.7	61.1	71.2	78.7	82.4	85.6	87.2	87.8	89.1	89.4	89.5	89.6	89.7	89.7	89.7	89.7	89.7
GE 2000	1	3.7	50.0	61.5	71.6	79.1	82.9	86.2	87.8	88.6	89.9	90.1	90.2	90.3	90.4	90.4	90.4	90.4	90.4
GE 1800	1	3.7	50.1	61.5	71.8	79.4	83.1	86.5	88.1	88.8	90.1	90.3	90.4	90.5	90.6	90.6	90.6	90.6	90.6
GE 1500	1	3.7	50.6	62.3	72.7	80.4	84.2	87.5	89.1	89.9	91.2	91.4	91.5	91.6	91.7	91.7	91.7	91.7	91.7
GE 1200	1	3.7	50.8	62.6	73.2	81.2	85.1	88.4	90.1	90.9	92.2	92.4	92.5	92.6	92.7	92.7	92.7	92.7	92.7
GE 1000	1	3.7	51.2	63.3	74.1	82.4	86.5	90.0	91.7	92.5	93.8	94.1	94.2	94.3	94.4	94.4	94.4	94.4	94.4
GE 900	1	3.7	51.2	63.3	74.1	82.5	86.6	90.1	91.8	92.6	93.9	94.2	94.3	94.4	94.5	94.5	94.5	94.5	94.5
GE 800	1	3.7	51.3	63.7	74.5	83.1	87.3	91.0	92.7	93.4	94.7	95.1	95.2	95.3	95.4	95.4	95.4	95.4	95.4
GE 700	1	3.7	51.4	63.9	74.7	83.8	88.0	91.6	93.5	94.3	95.6	95.9	96.0	96.1	96.2	96.2	96.2	96.2	96.2
GE 600	1	3.7	51.4	63.9	74.7	83.9	88.2	91.8	93.8	94.5	95.8	96.1	96.2	96.3	96.5	96.5	96.5	96.5	96.5
GE 500	1	3.7	51.6	64.2	75.2	84.5	88.8	92.5	94.6	95.6	96.9	97.2	97.3	97.4	97.5	97.5	97.5	97.5	97.5
GE 400	1	3.7	51.6	64.4	75.4	84.7	89.0	92.7	94.8	95.8	97.2	97.6	97.7	97.8	98.0	98.1	98.1	98.1	98.1
GE 300	1	3.7	51.6	64.4	75.4	84.7	89.0	92.7	94.9	96.1	97.5	98.1	98.2	98.4	98.5	98.6	98.6	98.6	98.6
GE 200	1	3.7	51.6	64.4	75.4	84.8	89.1	92.8	95.2	96.5	98.0	98.6	98.7	99.2	99.4	99.7	99.7	99.7	99.7
GE 100	1	3.7	51.6	64.4	75.4	84.8	89.1	92.8	95.2	96.5	98.0	98.6	98.7	99.2	99.4	99.9	99.9	99.9	99.9
GE 0	1	3.7	51.6	64.4	75.4	84.8	89.1	92.8	95.2	96.5	98.0	98.6	98.7	99.2	99.4	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/ECAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE										PERIOD OF RECORD: 76-85									
										MONTH: JUL									
										HOURS: 1100									
										VISIBILITY IN STATUTE MILES									
CEILING																			
IN	1	GE	GE	GE	GE	GE	GE	GE	GE	1	1/2	1/4	3/4	5/8	1/2	5/16	1/4	GE	GE
FEET	10	GE	GE	GE	GE	GE	GE	GE	GE	2	1	1/2	1	3/4	5/8	1/2	5/16	1/4	GE
NO CEIL	1	8.4	47.8	54.1	57.4	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 20000	1	8.5	51.7	59.0	63.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 18000	1	8.5	51.9	59.4	63.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 16000	1	8.5	52.0	59.6	63.7	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 14000	1	8.6	53.0	60.6	64.9	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 12000	1	8.7	54.0	61.9	66.6	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 10000	1	8.8	57.4	66.3	71.4	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 9000	1	8.8	58.3	67.2	72.3	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 8000	1	8.8	61.5	71.2	77.3	80.9	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 7000	1	8.8	62.8	72.5	78.6	82.3	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 6000	1	8.9	63.0	73.1	79.4	83.0	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 5000	1	8.9	63.3	73.5	79.8	83.4	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 4500	1	8.9	63.5	73.9	80.2	83.9	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 4000	1	8.9	65.2	75.0	82.6	86.8	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 3500	1	8.9	66.6	77.3	84.2	88.5	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 3000	1	8.9	68.0	79.1	86.1	90.5	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 2500	1	8.9	68.5	79.8	87.1	91.6	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 2000	1	8.9	69.0	80.5	87.8	92.5	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 1800	1	8.9	69.5	81.0	88.5	93.1	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1500	1	9.0	69.8	81.3	88.8	93.7	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1200	1	9.2	70.4	82.0	89.9	94.8	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1000	1	9.4	70.8	82.7	90.8	95.8	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 900	1	9.4	71.0	83.0	91.2	96.2	96.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 800	1	9.4	71.1	83.1	91.3	96.3	96.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 700	1	9.4	71.1	83.2	91.4	96.4	96.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 600	1	9.4	71.1	83.2	91.4	96.4	96.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 500	1	9.4	71.1	83.2	91.4	96.4	96.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 400	1	9.4	71.1	83.2	91.4	96.4	96.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 300	1	9.4	71.1	83.2	91.4	96.4	96.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 200	1	9.4	71.1	83.2	91.4	96.4	96.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 100	1	9.4	71.1	83.2	91.4	96.4	96.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE	0	9.4	71.1	83.2	91.4	96.4	96.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY

USAF/CIAC

FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85

MONTH: JUL

HOURS(LST): 1200-1400

CEILING

VISIBILITY IN STATUTE MILES

IN 1 GE 10 6 GE 5 4 GE 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 1/4 0

FEET 1 10 6 GE 5 4 GE 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 1/4 0

NO CEIL 1 8.3 46.2 49.9 52.2 53.1 53.1 53.1 53.1 53.1 53.1 53.1 53.1 53.1 53.1 53.1 53.1 53.1

GE 20000 10.0 55.7 60.4 63.3 64.5 64.6 64.6 64.6 64.6 64.6 64.6 64.6 64.6 64.6 64.6 64.6 64.6

GE 18000 10.0 56.0 60.9 63.8 64.9 65.1 65.1 65.1 65.1 65.1 65.1 65.1 65.1 65.1 65.1 65.1 65.1

GE 16000 10.0 56.1 61.0 63.9 65.1 65.2 65.2 65.2 65.2 65.2 65.2 65.2 65.2 65.2 65.2 65.2 65.2

GE 14000 10.1 57.0 62.0 65.2 66.3 66.5 66.5 66.5 66.5 66.5 66.5 66.5 66.5 66.5 66.5 66.5 66.5

GE 12000 10.4 58.3 63.8 67.1 68.3 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.4

GE 10000 10.4 62.2 68.6 73.1 74.6 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.7 74.7

GE 9000 10.4 62.7 69.2 73.8 75.3 75.4 75.4 75.4 75.4 75.4 75.4 75.4 75.4 75.4 75.4 75.4 75.4

GE 8000 10.4 64.2 71.9 76.9 78.6 78.7 78.8 78.8 78.8 78.8 78.8 78.8 78.8 78.8 78.8 78.8 78.8

GE 7000 10.4 64.6 72.5 77.6 79.5 79.6 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.7

GE 6000 10.4 65.2 73.0 78.7 80.5 80.6 80.8 80.8 80.8 80.8 80.8 80.8 80.8 80.8 80.8 80.8 80.8

GE 5000 10.4 66.3 74.5 80.4 82.4 82.5 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6

GE 4500 10.4 67.3 75.6 81.5 83.4 83.5 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7

GE 4000 10.4 71.4 80.4 86.9 89.7 89.8 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1

GE 3500 10.4 72.6 81.9 88.7 91.5 91.6 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9

GE 3000 10.5 75.4 84.8 91.9 94.7 94.9 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3

GE 2500 10.6 76.6 86.0 93.1 95.9 96.2 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6

GE 2000 10.6 77.3 86.9 94.1 96.9 97.2 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6

GE 1800 10.6 77.4 87.0 94.2 97.0 97.3 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7

GE 1500 10.6 77.7 87.3 94.5 97.4 98.0 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5

GE 1200 10.6 78.1 87.7 94.9 97.8 98.4 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9

GE 1000 10.6 78.4 88.2 95.4 98.3 98.8 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4

GE 900 10.6 78.4 88.2 95.4 98.3 98.8 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4

GE 800 10.6 78.4 88.2 95.4 98.3 98.8 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4

GE 700 10.6 78.4 88.2 95.4 98.3 98.8 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4

GE 600 10.6 78.4 88.2 95.4 98.3 98.8 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4

GE 500 10.6 78.4 88.2 95.4 98.3 98.8 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4

GE 400 10.6 78.4 88.2 95.4 98.3 98.8 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4

GE 300 10.6 78.4 88.2 95.4 98.3 98.8 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4

GE 200 10.6 78.4 88.2 95.4 98.3 98.8 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4

GE 100 10.6 78.4 88.2 95.4 98.3 98.8 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4

GE 0 10.6 78.4 88.2 95.4 98.3 98.8 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: JUL HOURS(ULST): 1500-1700

VISIBILITY IN STATUTE MILES												
IN	1	GE	2	3	4	5	6	10	1	1/2	1 1/4	1 3/4
FEET	1	GE	2	3	4	5	6	10	1	1/2	1 1/4	1 3/4
NO CEIL	1	8.4	47.3	52.0	54.7	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 20000	0.7	55.7	61.7	64.6	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 18000	0.7	56.1	62.3	65.3	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 16000	0.7	56.5	62.7	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 14000	0.7	56.8	63.2	66.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 12000	0.9	58.7	65.5	68.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 10000	9.4	62.6	70.3	74.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 9000	9.4	62.8	70.6	74.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 8000	9.5	65.6	74.0	78.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 7000	9.5	66.6	75.4	80.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 6000	9.5	67.2	76.0	80.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 5000	9.5	68.5	77.3	82.2	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 4500	9.5	69.8	78.6	83.4	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 4000	9.5	72.5	82.7	88.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 3500	9.5	74.0	84.4	90.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 3000	9.5	75.8	86.9	93.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 2500	9.5	75.8	86.9	93.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 2000	9.5	75.8	86.9	93.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1800	9.5	76.0	87.2	93.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1500	9.5	76.1	87.5	94.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1200	9.5	76.2	87.6	94.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1000	9.5	76.2	87.6	94.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 800	9.5	76.3	87.7	94.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 700	9.5	76.3	87.7	94.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 600	9.5	76.3	87.7	94.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 500	9.5	76.3	87.8	94.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 400	9.5	76.3	87.8	94.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 300	9.5	76.3	87.8	94.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 200	9.5	76.3	87.8	94.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 100	9.5	76.3	87.8	94.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 0	9.5	76.3	87.8	94.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: JUL HOURS(UT): 1800-2000

		VISIBILITY IN STATUTE MILES											
CEILING		1	2	3	4	5	6	7	8	9	10	11	12
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
NO CEIL	1	7.3	46.0	51.1	53.5	55.1	55.4	55.5	55.6	55.7	55.7	55.7	55.7
GE 20000	1	7.6	55.4	62.5	66.7	68.7	69.0	69.2	69.4	69.5	69.5	69.5	69.5
GE 18000	1	7.7	56.0	63.1	67.4	69.5	69.8	70.0	70.1	70.2	70.2	70.2	70.2
GE 16000	1	7.7	56.0	63.1	67.4	69.5	69.8	70.0	70.1	70.2	70.2	70.2	70.2
GE 14000	1	7.7	56.1	63.3	67.6	69.8	70.1	70.3	70.4	70.5	70.5	70.5	70.5
GE 12000	1	7.7	56.6	66.0	70.8	73.2	73.4	73.5	73.5	73.7	73.7	73.7	73.7
GE 10000	1	7.8	62.6	70.5	75.8	78.3	78.6	78.9	79.0	79.1	79.1	79.1	79.1
GE 9000	1	7.8	63.8	71.7	77.0	79.5	79.8	80.1	80.2	80.3	80.3	80.3	80.3
GE 8000	1	7.8	65.2	73.9	79.4	82.5	82.8	83.1	83.2	83.3	83.3	83.3	83.3
GE 7000	1	7.8	66.2	74.9	80.4	83.5	83.9	84.2	84.3	84.4	84.4	84.4	84.4
GE 6000	1	7.8	66.6	75.3	80.8	83.9	84.2	84.5	84.6	84.7	84.7	84.7	84.7
GE 5000	1	7.8	67.6	76.5	82.0	85.2	85.5	85.8	85.9	86.0	86.0	86.0	86.0
GE 4000	1	7.8	68.0	77.1	82.8	85.9	86.2	86.6	86.7	86.8	86.8	86.8	86.8
GE 3500	1	7.8	71.5	81.0	87.5	91.3	91.6	92.2	92.3	92.4	92.5	92.5	92.5
GE 3000	1	7.8	72.3	82.2	89.2	93.4	93.9	94.6	94.7	94.8	94.9	94.9	94.9
GE 2500	1	7.8	72.3	82.3	89.4	93.7	94.1	94.8	94.9	95.1	95.2	95.2	95.2
GE 2000	1	7.8	72.3	82.3	89.4	93.7	94.1	94.8	94.9	95.1	95.2	95.2	95.2
GE 1800	1	7.8	72.3	82.3	89.4	93.7	94.1	94.8	94.9	95.1	95.2	95.2	95.2
GE 1600	1	7.8	72.3	82.3	89.4	93.7	94.1	94.8	94.9	95.1	95.2	95.2	95.2
GE 1400	1	7.8	72.3	82.3	89.4	93.7	94.1	94.8	94.9	95.1	95.2	95.2	95.2
GE 1200	1	7.8	72.3	82.3	89.4	93.7	94.1	94.8	94.9	95.1	95.2	95.2	95.2
GE 1000	1	7.8	72.3	82.3	89.4	93.7	94.1	94.8	94.9	95.1	95.2	95.2	95.2
GE 900	1	7.8	72.3	82.3	89.4	93.7	94.1	94.8	94.9	95.1	95.2	95.2	95.2
GE 800	1	7.8	72.3	82.3	89.4	93.7	94.1	94.8	94.9	95.1	95.2	95.2	95.2
GE 700	1	7.8	72.3	82.3	89.4	93.7	94.1	94.8	94.9	95.1	95.2	95.2	95.2
GE 600	1	7.8	72.3	82.3	89.4	93.7	94.1	94.8	94.9	95.1	95.2	95.2	95.2
GE 500	1	7.8	72.3	82.3	89.4	93.7	94.1	94.8	94.9	95.1	95.2	95.2	95.2
GE 400	1	7.8	72.3	82.3	89.4	93.7	94.1	94.8	94.9	95.1	95.2	95.2	95.2
GE 300	1	7.8	72.3	82.3	89.4	93.7	94.1	94.8	94.9	95.1	95.2	95.2	95.2
GE 200	1	7.8	72.3	82.3	89.4	93.7	94.1	94.8	94.9	95.1	95.2	95.2	95.2
GE 100	1	7.8	72.3	82.3	89.4	93.7	94.1	94.8	94.9	95.1	95.2	95.2	95.2
GE 0	1	7.8	72.3	82.3	89.4	93.7	94.1	94.8	94.9	95.1	95.2	95.2	95.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
 MONTH: JUL HOURS(IST): 2100-2300

VISIBILITY IN STATUTE MILES									
IN	1	GE	GE	GE	GE	GE	GE	GE	GE
FEET	10	6	5	4	3	2	1 1/2	1 1/4	1 3/4
CEILING	10	6	5	4	3	2	1 1/2	1 1/4	1 3/4
NO CEIL	1	6.5	42.9	48.5	52.9	55.4	55.7	55.9	56.3
GE 20000	1	6.8	49.7	57.1	62.6	65.6	65.9	66.1	66.6
GE 18000	1	6.8	49.7	57.2	62.7	65.7	66.0	66.2	66.7
GE 16000	1	6.8	49.7	57.2	62.7	65.7	66.0	66.2	66.7
GE 14000	1	6.8	49.9	57.4	62.9	65.9	66.2	66.5	66.9
GE 12000	1	6.8	51.3	59.0	64.5	67.5	67.8	68.1	68.5
GE 10000	1	6.9	55.1	63.9	70.8	74.3	74.8	75.4	75.8
GE 9000	1	6.9	55.6	64.5	71.4	74.9	75.5	76.0	76.5
GE 8000	1	7.0	58.9	68.8	75.7	79.4	79.9	80.4	80.9
GE 7000	1	7.0	60.1	70.0	76.9	80.5	81.1	81.6	82.0
GE 6000	1	7.0	60.3	70.2	77.1	80.8	81.3	81.8	82.3
GE 5000	1	7.0	62.4	72.3	79.5	83.1	83.7	84.2	84.6
GE 4500	1	7.0	63.0	73.2	80.5	84.3	84.8	85.4	85.8
GE 4000	1	7.0	66.3	77.7	86.1	90.1	90.6	91.2	91.6
GE 3500	1	7.0	66.8	78.4	86.9	90.9	91.4	91.9	92.4
GE 3000	1	7.0	67.0	78.6	87.3	91.7	92.4	92.9	93.3
GE 2500	1	7.0	67.3	79.0	88.1	92.6	93.2	93.8	94.2
GE 2000	1	7.0	67.8	79.8	88.8	93.3	94.0	94.6	95.1
GE 1800	1	7.0	67.8	79.8	88.9	93.4	94.1	94.7	95.2
GE 1500	1	7.0	68.1	80.0	89.1	93.7	94.3	95.1	95.5
GE 1200	1	7.0	68.2	80.3	89.7	94.2	94.8	95.6	96.0
GE 1000	1	7.0	68.6	81.0	90.4	94.9	95.6	96.3	96.8
GE 900	1	7.0	68.7	81.1	90.5	95.1	95.7	96.5	96.9
GE 800	1	7.0	68.7	81.1	90.8	95.3	95.9	96.8	97.3
GE 700	1	7.0	68.8	81.2	90.9	95.5	96.1	97.0	97.5
GE 600	1	7.0	68.8	81.2	90.9	95.5	96.1	97.0	97.5
GE 500	1	7.0	68.8	81.2	90.9	95.6	96.2	97.1	97.7
GE 400	1	7.0	68.8	81.2	90.9	95.6	96.2	97.1	97.7
GE 300	1	7.0	68.8	81.2	90.9	95.6	96.2	97.1	97.7
GE 200	1	7.0	68.9	81.3	91.1	95.8	96.6	97.4	98.0
GE 100	1	7.0	68.9	81.3	91.1	95.8	96.6	97.4	98.0
GE 0	1	7.0	68.9	81.3	91.1	95.8	96.6	97.4	98.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
MONTH: JUL HOUR(S) (LST): ALL

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

NO CEIL 1 6.0 41.9 47.9 51.8 54.1 54.8 55.3 55.7 55.8 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0

GE 20000 6.5 48.4 55.8 60.7 63.6 64.3 65.0 65.4 65.5 65.7 65.8 65.8 65.8 65.8 65.8 65.8 65.8

GE 18000 6.5 48.6 56.1 61.0 63.9 64.6 65.3 65.7 65.8 66.0 66.1 66.1 66.1 66.1 66.1 66.1 66.1

GE 16000 6.5 48.7 56.2 61.2 64.0 64.7 65.5 65.8 66.0 66.1 66.2 66.2 66.2 66.2 66.2 66.2 66.2

GE 14000 6.5 49.2 56.8 61.8 64.8 65.5 66.3 66.7 66.8 67.0 67.0 67.0 67.0 67.0 67.0 67.0 67.0

GE 12000 6.6 50.5 58.4 63.7 66.7 67.4 68.2 68.6 68.7 68.9 69.0 69.0 69.0 69.0 69.0 69.0 69.0

GE 10000 6.7 53.9 62.7 68.9 72.3 73.2 74.2 74.6 74.7 74.9 75.0 75.0 75.0 75.0 75.0 75.0 75.0

GE 9000 6.7 54.5 63.4 69.6 73.1 74.0 74.9 75.4 75.5 75.7 75.8 75.8 75.8 75.8 75.8 75.8 75.8

GE 8000 6.7 57.3 67.0 73.7 77.4 78.4 79.5 80.0 80.1 80.3 80.4 80.4 80.4 80.4 80.4 80.4 80.4

GE 7000 6.7 58.2 68.0 74.8 78.6 79.7 80.7 81.3 81.4 81.6 81.7 81.7 81.7 81.7 81.7 81.7 81.7

GE 6000 6.8 58.6 68.6 75.5 79.3 80.4 81.5 82.0 82.1 82.3 82.4 82.4 82.4 82.4 82.4 82.4 82.4

GE 5000 6.8 59.8 69.8 76.8 80.8 81.8 82.9 83.4 83.6 83.8 83.9 83.9 83.9 83.9 83.9 83.9 83.9

GE 4500 6.8 60.4 70.4 77.7 81.7 82.7 83.8 84.4 84.5 84.7 84.8 84.8 84.8 84.8 84.8 84.8 84.8

GE 4000 6.8 63.3 74.2 82.0 86.4 87.5 88.8 89.3 89.5 89.7 89.8 89.8 89.8 89.8 89.8 89.8 89.8

GE 3500 6.8 64.1 75.2 83.1 87.6 88.7 90.0 90.6 90.7 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0

GE 3000 6.8 65.2 76.5 84.6 89.3 90.5 91.8 92.4 92.5 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8

GE 2500 6.8 65.5 76.9 85.0 89.9 91.0 92.3 92.9 93.1 93.3 93.4 93.4 93.5 93.5 93.5 93.5 93.5

GE 2000 6.8 65.8 77.3 85.6 90.4 91.6 93.0 93.6 93.7 94.0 94.1 94.1 94.2 94.2 94.2 94.2 94.2

GE 1800 6.8 66.0 77.5 85.8 90.6 91.8 93.2 93.8 94.3 94.3 94.3 94.3 94.4 94.4 94.4 94.4 94.4

GE 1500 6.8 66.2 77.8 86.2 91.1 92.4 93.8 94.4 94.6 94.9 95.0 95.0 95.1 95.1 95.1 95.1 95.1

GE 1200 6.9 66.5 78.2 86.7 91.8 93.1 94.7 95.3 95.4 95.8 95.9 95.9 96.0 96.0 96.0 96.0 96.0

GE 1000 6.9 66.9 78.7 87.3 92.6 94.0 95.6 96.2 96.4 96.7 96.8 96.8 96.9 96.9 96.9 96.9 96.9

GE 900 6.9 66.9 78.8 87.4 92.8 94.2 95.8 96.5 96.6 97.0 97.1 97.1 97.2 97.2 97.2 97.2 97.2

GE 800 6.9 67.0 78.9 87.6 93.1 94.5 96.2 96.9 97.0 97.4 97.5 97.5 97.6 97.6 97.6 97.6 97.6

GE 700 6.9 67.1 79.0 87.8 93.4 94.8 96.5 97.2 97.4 97.8 97.9 97.9 98.0 98.0 98.0 98.0 98.0

GE 600 6.9 67.1 79.0 87.8 93.5 94.9 96.6 97.4 97.6 98.0 98.1 98.1 98.2 98.2 98.2 98.2 98.2

GE 500 6.9 67.1 79.1 87.9 93.7 95.2 97.0 97.8 98.0 98.5 98.6 98.6 98.7 98.7 98.7 98.7 98.8

GE 400 6.9 67.2 79.2 88.0 93.8 95.3 97.2 98.1 98.3 98.8 98.9 98.9 99.0 99.0 99.0 99.0 99.1

GE 300 6.9 67.2 79.2 88.0 93.9 95.4 97.2 98.2 98.4 99.0 99.1 99.1 99.2 99.2 99.2 99.2 99.3

GE 200 6.9 67.2 79.2 88.1 93.9 95.5 97.4 98.3 98.6 99.1 99.3 99.3 99.5 99.5 99.6 99.6 99.6

GE 100 6.9 67.2 79.2 88.1 93.9 95.5 97.4 98.4 98.6 99.2 99.4 99.4 99.7 99.7 99.7 99.8 99.9

GE 0 6.9 67.2 79.2 88.1 93.9 95.5 97.4 98.4 98.6 99.2 99.4 99.4 99.7 99.7 99.7 99.8 100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
 MONTH: AUG HOURS(11): 0000-0200

CEILING VISIBILITY IN STATUTE MILES

IN FEET 10 6 5 4 3 2 1 1/2 1 3/4 1/2 5/8 1/4 0

NO CEIL 4.3 40.0 45.2 50.4 53.2 53.7 54.6 54.7 54.8 54.8 54.8 54.8 54.8

GE 20000 4.9 46.7 55.1 61.6 65.2 65.6 67.2 67.4 67.5 67.5 67.5 67.5

GE 18000 4.9 46.7 55.2 61.7 65.3 65.7 67.3 67.5 67.6 67.6 67.6 67.6

GE 16000 4.9 47.0 55.7 62.3 65.8 66.2 67.8 68.1 68.2 68.2 68.2 68.2

GE 14000 4.9 47.4 56.1 62.8 66.3 66.8 68.4 68.6 68.7 68.7 68.7 68.7

GE 12000 4.9 48.6 57.6 64.4 68.0 68.4 70.0 70.2 70.3 70.3 70.3 70.3

GE 10000 5.5 51.1 61.6 69.2 73.5 74.1 75.7 75.9 76.0 76.0 76.0 76.0

GE 9000 5.5 52.5 63.1 70.8 75.1 75.6 77.2 77.4 77.5 77.5 77.5 77.5

GE 8000 5.5 55.8 67.4 75.1 79.9 80.4 82.0 82.3 82.4 82.4 82.4 82.4

GE 7000 5.5 56.0 67.8 75.5 80.4 81.0 82.6 82.8 82.9 82.9 82.9 82.9

GE 6000 5.5 56.1 68.0 75.6 80.5 81.2 82.8 83.0 83.1 83.1 83.1 83.1

GE 5000 5.5 57.5 69.5 77.3 82.3 83.0 84.6 84.8 84.9 84.9 84.9 84.9

GE 4500 5.5 57.7 69.8 77.6 82.6 83.3 85.2 85.4 85.3 85.3 85.3 85.3

GE 4000 5.5 59.5 72.4 81.0 86.1 86.9 88.5 88.7 88.8 88.8 88.8 88.8

GE 3500 5.5 60.6 73.7 82.4 87.8 88.8 90.5 90.8 90.9 90.9 90.9 90.9

GE 3000 5.5 61.7 74.8 84.0 90.0 91.0 92.8 93.0 93.1 93.1 93.1 93.1

GE 2500 5.5 61.7 74.8 84.0 90.0 91.0 92.8 93.0 93.1 93.1 93.1 93.1

GE 2000 5.5 62.5 75.6 84.7 91.0 91.9 93.8 94.0 94.1 94.1 94.1 94.1

GE 1800 5.5 62.6 75.7 84.8 91.1 92.0 93.9 94.1 94.2 94.2 94.2 94.2

GE 1500 5.5 62.9 76.0 85.6 91.9 92.9 94.7 94.9 95.1 95.1 95.1 95.1

GE 1200 5.5 63.0 76.8 86.3 92.9 94.0 95.8 96.0 96.1 96.1 96.1 96.1

GE 1000 5.5 63.2 77.0 87.1 93.8 94.8 96.7 96.9 97.0 97.0 97.0 97.0

GE 900 5.5 63.3 77.2 87.3 94.0 95.1 96.9 97.1 97.2 97.2 97.2 97.2

GE 800 5.5 63.7 77.6 87.7 94.5 95.6 97.4 97.6 97.7 97.7 97.7 97.7

GE 700 5.5 63.8 77.7 88.1 94.8 95.9 97.7 98.0 98.1 98.1 98.1 98.1

GE 600 5.5 63.8 77.7 88.1 94.8 95.9 97.7 98.0 98.1 98.1 98.1 98.1

GE 500 5.5 63.8 78.0 88.3 95.1 96.1 98.1 98.6 98.7 98.7 98.7 98.7

GE 400 5.5 63.8 78.0 88.4 95.2 96.2 98.2 98.7 98.8 98.8 98.8 98.8

GE 300 5.5 63.8 78.0 88.5 95.3 96.3 98.3 98.8 98.9 98.9 98.9 98.9

GE 200 5.5 63.8 78.0 88.5 95.4 96.5 98.4 98.9 99.0 99.1 99.2 99.2

GE 100 5.5 63.8 78.0 88.5 95.4 96.5 98.4 99.0 99.1 99.2 99.4 99.7

GE 0 5.5 63.8 78.0 88.5 95.4 96.5 98.4 99.0 99.1 99.2 99.4 100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
 MONTH: AUG HOURS: 11:00-05:00

VISIBILITY IN STATUTE MILES									
IN	1	GE	GE	GE	GE	GE	GE	GE	GE
FEET	10	6	5	4	3	2	1 1/2	1 1/4	1 1/2
NO CEIL	1	4.4	35.7	41.7	46.7	51.3	52.0	52.8	53.8
GE 20000	4.6	41.4	48.8	54.7	60.9	61.8	63.3	64.8	65.1
GE 18000	4.6	41.4	48.8	54.7	60.9	61.8	63.3	64.8	65.1
GE 16000	4.6	41.6	49.2	55.2	61.4	62.4	63.9	65.4	65.6
GE 14000	4.6	42.3	50.0	55.9	62.4	63.3	64.9	66.5	66.7
GE 12000	4.8	43.4	51.5	57.4	64.1	65.1	66.7	68.2	68.4
GE 10000	5.2	46.8	55.7	62.5	69.5	70.4	72.2	73.7	73.9
GE 9000	5.2	47.2	56.1	63.1	70.1	71.1	72.8	74.3	74.5
GE 8000	5.4	48.7	58.7	66.3	73.7	74.7	76.5	78.0	78.2
GE 7000	5.4	49.1	59.6	67.3	74.7	75.9	77.7	79.2	79.5
GE 6000	5.4	49.1	59.6	67.3	74.8	76.0	77.8	79.4	79.6
GE 5000	5.5	50.2	61.2	69.0	76.7	77.8	79.7	81.2	81.4
GE 4500	5.5	50.3	61.6	69.5	77.2	78.4	80.2	81.8	82.0
GE 4000	5.5	51.3	62.9	71.4	79.7	80.9	83.1	84.8	85.1
GE 3500	5.5	51.8	63.5	72.5	81.0	82.3	84.6	86.3	86.6
GE 3000	5.5	52.9	64.8	74.3	83.1	84.4	86.8	88.6	88.8
GE 2500	5.5	53.4	65.4	74.9	83.9	85.2	87.5	89.4	89.6
GE 2000	5.5	54.0	66.1	75.8	84.7	86.0	88.4	90.2	90.4
GE 1800	5.5	54.3	66.6	76.2	85.4	86.8	89.1	91.0	91.2
GE 1600	5.5	54.7	67.2	76.9	86.1	87.5	89.9	91.7	91.9
GE 1400	5.5	54.8	67.5	77.2	86.8	88.5	90.9	92.7	92.9
GE 1200	5.5	54.9	67.7	77.4	87.0	88.7	91.1	92.9	93.1
GE 1000	5.5	55.3	68.2	78.1	87.7	89.5	92.4	94.2	94.4
GE 900	5.5	55.4	68.3	78.3	88.2	89.9	92.8	94.6	94.8
GE 800	5.5	55.4	68.3	78.4	88.4	90.1	93.0	94.8	95.1
GE 700	5.5	55.5	68.5	78.8	88.9	90.6	93.7	95.5	95.7
GE 600	5.5	55.5	68.5	78.8	88.9	90.6	93.7	95.5	95.7
GE 500	5.5	55.5	68.5	78.8	88.9	90.6	93.7	95.5	95.7
GE 400	5.5	55.5	68.5	78.8	88.9	90.6	93.7	95.5	95.7
GE 300	5.5	55.5	68.5	78.8	88.9	90.6	93.7	95.5	95.7
GE 200	5.5	55.5	68.5	78.8	88.9	90.6	93.7	95.5	95.7
GE 100	5.5	55.5	68.5	78.8	88.9	90.6	93.7	95.5	95.7
GE 0	5.5	55.5	68.5	78.8	88.9	90.6	93.7	95.5	95.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724086 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: AUG HOURS(LST): 0600-0800

CEILING VISIBILITY IN STATUTE MILES

IN FEET	10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	4.1	30.0	35.4	41.0	46.8	49.8	52.0	53.2	53.5	54.2	54.3	54.3	54.3	54.3
GE 20000	4.3	34.2	41.5	47.7	53.9	57.3	60.1	61.5	61.8	62.7	62.9	62.9	62.9	62.9
GE 18000	4.3	34.2	41.5	47.7	53.9	57.3	60.1	61.5	61.8	62.7	62.9	62.9	62.9	62.9
GE 16000	4.3	34.3	41.8	48.1	54.3	57.7	60.5	61.9	62.3	63.1	63.3	63.3	63.3	63.3
GE 14000	4.6	34.9	42.5	48.7	54.9	58.5	61.5	63.0	63.3	64.2	64.4	64.4	64.4	64.4
GE 12000	4.7	36.8	44.5	51.0	57.3	61.2	64.3	65.9	66.2	67.2	67.5	67.5	67.5	67.5
GE 10000	4.8	40.1	48.8	56.0	63.1	67.2	70.4	72.0	72.4	73.4	73.8	73.8	73.8	73.8
GE 9000	4.8	41.2	49.9	57.1	64.3	68.4	71.6	73.2	73.5	74.6	74.9	74.9	74.9	74.9
GE 8000	5.3	44.1	53.4	61.5	69.5	73.8	77.1	78.7	79.0	80.1	80.4	80.4	80.4	80.4
GE 7000	5.3	44.6	54.0	62.0	70.2	74.8	78.2	79.8	80.1	81.2	81.5	81.5	81.5	81.5
GE 6000	5.3	44.7	54.1	62.2	70.4	75.2	78.5	80.1	80.4	81.5	81.8	81.8	81.8	81.8
GE 5000	5.5	45.1	54.5	62.6	71.3	76.0	79.4	81.0	81.3	82.6	82.9	82.9	82.9	82.9
GE 4500	5.5	45.3	54.7	62.9	71.7	76.5	79.8	81.4	81.7	83.1	83.4	83.4	83.4	83.4
GE 4000	5.5	46.5	56.1	64.7	73.8	78.6	82.0	83.7	84.0	85.5	85.9	85.9	85.9	85.9
GE 3500	5.5	47.0	56.7	65.3	74.3	79.1	82.6	84.2	84.5	86.0	86.5	86.5	86.5	86.5
GE 3000	5.5	47.7	57.5	66.2	75.5	80.3	83.9	85.6	85.9	87.6	88.1	88.1	88.1	88.1
GE 2500	5.5	48.0	57.7	66.8	76.1	81.0	84.6	86.6	86.9	88.6	89.0	89.0	89.0	89.0
GE 2000	5.5	48.9	58.7	67.8	77.3	82.2	86.0	88.1	88.4	90.3	90.8	90.8	90.8	90.8
GE 1800	5.5	49.0	58.8	68.0	77.4	82.3	86.1	88.2	88.5	90.4	90.9	90.9	90.9	90.9
GE 1500	5.5	49.4	59.1	68.5	78.1	83.0	87.0	89.1	89.5	91.5	91.9	91.9	91.9	91.9
GE 1200	5.5	49.7	59.6	69.0	78.6	83.5	87.7	89.9	90.2	92.3	92.7	92.7	92.7	92.7
GE 1000	5.5	49.8	59.9	69.6	79.2	84.2	88.4	90.5	90.9	92.9	93.3	93.3	93.3	93.3
GE 900	5.5	50.3	60.4	70.3	80.0	85.2	89.4	91.5	91.8	94.0	94.4	94.4	94.4	94.4
GE 800	5.5	50.4	60.5	70.6	80.4	86.1	90.6	92.8	93.1	95.4	95.8	95.8	95.8	95.8
GE 700	5.5	50.4	60.5	70.6	80.5	86.2	90.9	93.0	93.4	95.7	96.1	96.1	96.1	96.1
GE 600	5.5	50.4	60.5	70.6	80.6	86.3	91.0	93.2	93.7	95.9	96.3	96.3	96.3	96.3
GE 500	5.5	50.4	60.5	70.6	80.9	86.7	91.5	93.9	94.3	96.7	97.2	97.2	97.2	97.2
GE 400	5.5	50.4	60.6	71.1	81.1	87.0	91.8	94.2	94.6	97.1	97.8	97.8	97.8	97.8
GE 300	5.5	50.4	60.6	71.1	81.1	87.0	91.8	94.2	94.6	97.1	97.8	97.8	97.8	97.8
GE 200	5.5	50.4	60.6	71.1	81.1	87.0	91.8	94.2	94.6	97.1	97.8	97.8	97.8	97.8
GE 100	5.5	50.4	60.6	71.1	81.1	87.0	91.8	94.2	94.6	97.1	97.8	97.8	97.8	97.8
GE	01	5.5	50.4	60.6	71.1	81.1	87.0	92.0	94.4	98.8	98.5	98.5	98.5	98.5
GE	01	5.5	50.4	60.6	71.1	81.1	87.0	92.0	94.4	98.8	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
 MONTH: AUG HOURS(IST): 1200-1400

VISIBILITY IN STATUTE MILES												
CEILING	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2
	10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2
NO CEIL	9.2	47.5	53.1	54.5	55.3	55.6	55.7	55.7	55.7	55.7	55.7	55.7
GE 20000	9.8	56.3	62.9	64.4	65.7	66.0	66.1	66.1	66.1	66.1	66.1	66.1
GE 18000	9.9	56.9	63.4	64.9	66.2	66.6	66.7	66.7	66.7	66.7	66.7	66.7
GE 16000	9.9	57.1	63.7	65.2	66.5	66.8	66.9	66.9	66.9	66.9	66.9	66.9
GE 14000	10.4	58.2	64.7	66.3	67.6	68.0	68.1	68.1	68.1	68.1	68.1	68.1
GE 12000	10.5	60.0	67.1	68.8	70.1	70.4	70.5	70.5	70.5	70.5	70.5	70.5
GE 10000	11.1	63.2	70.4	72.9	74.5	74.9	75.1	75.1	75.1	75.1	75.1	75.1
GE 9000	11.1	63.5	70.8	73.2	74.8	75.3	75.4	75.4	75.4	75.4	75.4	75.4
GE 8000	11.1	66.1	74.2	76.7	78.5	79.0	79.1	79.1	79.1	79.1	79.1	79.1
GE 7000	11.2	66.6	74.8	77.4	79.2	79.8	79.9	79.9	79.9	79.9	79.9	79.9
GE 6000	11.3	66.8	75.1	77.7	79.6	80.1	80.3	80.3	80.3	80.3	80.3	80.3
GE 5000	11.5	67.4	76.2	78.9	80.9	81.4	81.6	81.6	81.6	81.6	81.6	81.6
GE 4500	11.5	67.6	76.6	79.2	81.2	81.7	81.9	81.9	81.9	81.9	81.9	81.9
GE 4000	11.6	71.1	80.2	83.2	85.4	85.9	86.0	86.3	86.3	86.3	86.3	86.3
GE 3500	11.8	73.2	83.4	87.0	89.5	90.0	90.1	90.4	90.4	90.4	90.4	90.4
GE 3000	11.8	75.9	86.6	90.5	93.2	93.8	93.9	94.2	94.3	94.3	94.3	94.3
GE 2500	11.8	76.6	87.3	91.4	94.2	94.7	94.8	95.2	95.3	95.3	95.3	95.3
GE 2000	11.8	77.1	89.4	92.6	95.4	96.0	96.1	96.6	96.7	96.7	96.7	96.7
GE 1800	11.8	77.3	88.4	92.6	95.4	96.0	96.1	96.6	96.7	96.7	96.7	96.7
GE 1500	11.8	78.2	89.4	93.8	96.7	97.3	97.4	97.8	98.0	98.0	98.0	98.0
GE 1200	11.8	78.4	89.7	94.4	97.4	98.1	98.2	98.6	98.7	98.7	98.7	98.7
GE 1000	11.8	78.5	89.8	94.7	98.0	98.6	98.8	99.4	99.5	99.5	99.5	99.5
GE 900	11.8	78.5	89.8	94.7	98.0	98.6	98.8	99.6	99.7	99.7	99.7	99.7
GE 800	11.8	78.5	89.8	94.8	98.1	98.7	98.9	99.9	99.9	99.9	99.9	99.9
GE 700	11.8	78.5	89.8	94.8	98.1	98.7	98.9	99.9	99.9	99.9	99.9	99.9
GE 600	11.8	78.5	89.8	94.8	98.1	98.7	98.9	99.9	99.9	99.9	99.9	99.9
GE 500	11.8	78.5	89.8	94.8	98.2	98.8	99.0	99.9	100.0	100.0	100.0	100.0
GE 400	11.8	78.5	89.8	94.8	98.2	98.8	99.0	99.9	100.0	100.0	100.0	100.0
GE 300	11.8	78.5	89.8	94.8	98.2	98.8	99.0	99.9	100.0	100.0	100.0	100.0
GE 200	11.8	78.5	89.8	94.8	98.2	98.8	99.0	99.9	100.0	100.0	100.0	100.0
GE 100	11.8	78.5	89.8	94.8	98.2	98.8	99.0	99.9	100.0	100.0	100.0	100.0
GE 0	11.8	78.5	89.8	94.8	98.2	98.8	99.0	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAF/CIAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 728088										STATION NAME: DOVER AFB DE										PERIOD OF RECORD: 76-85										MONTH: AUG										HOURS(SLT): 1500-1700									
CEILING										VISIBILITY IN STATUTE MILES																																							
IN	1	GE	10	GE	6	GE	5	GE	4	3	2	1/2	GE	2	1	1/2	1	1/4	GE	1	3/4	5/8	1/2	5/16	3/4	GE	0																						
FEET	1	10	1	10	1	10	1	10	1	10	1	10	1	10	1	10	1	10	1	10	1	10	1	10	1	10	1	10																					
NO CEIL	1	6.2	47.4	52.6	54.7	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6																						
GE 20000	1	6.8	56.3	62.7	65.5	66.2	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1																						
GE 18000	1	6.8	56.9	63.3	66.6	67.3	67.7	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2																						
GE 16000	1	6.9	57.5	64.0	67.2	68.0	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8																						
GE 14000	1	7.3	58.5	65.3	68.5	69.2	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1																						
GE 12000	1	7.3	60.3	67.4	70.9	71.6	72.0	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5																						
GE 10000	1	8.1	64.0	71.2	74.7	75.5	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3																						
GE 9000	1	8.1	64.7	71.9	75.5	76.2	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1																						
GE 8000	1	8.5	67.6	75.7	79.4	80.4	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3																						
GE 7000	1	8.6	68.4	76.9	80.5	81.6	82.0	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5																						
GE 6000	1	8.6	68.9	77.5	81.5	82.7	83.1	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5																						
GE 5000	1	8.6	69.4	78.2	82.5	83.7	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5																						
GE 4500	1	8.7	69.5	78.4	82.7	83.9	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7																						
GE 4000	1	9.1	72.9	82.9	87.5	89.0	89.6	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1																						
GE 3500	1	9.2	74.5	85.1	90.0	91.6	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8																						
GE 3000	1	9.2	76.5	87.4	92.5	94.4	94.9	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6																						
GE 2500	1	9.2	77.0	88.4	93.7	95.8	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0																						
GE 2000	1	9.2	77.3	89.0	94.3	96.5	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7																						
GE 1800	1	9.2	77.3	89.0	94.3	96.5	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7																						
GE 1500	1	9.2	77.4	89.4	94.6	96.8	97.3	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2																						
GE 1200	1	9.2	77.5	89.5	95.2	97.4	98.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8																						
GE 1000	1	9.2	77.5	89.6	95.4	97.7	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2																						
GE 900	1	9.2	77.5	89.6	95.4	97.8	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4																						
GE 800	1	9.2	77.5	89.6	95.5	98.2	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7																						
GE 700	1	9.2	77.5	89.6	95.5	98.2	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7																						
GE 600	1	9.2	77.5	89.6	95.5	98.2	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7																						
GE 500	1	9.2	77.5	89.6	95.5	98.2	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7																						
GE 400	1	9.2	77.5	89.6	95.5	98.2	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7																						
GE 300	1	9.2	77.5	89.6	95.5	98.2	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7																						
GE 200	1	9.2	77.5	89.6	95.5	98.2	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7																						
GE 100	1	9.2	77.5	89.6	95.5	98.2	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7																						
GE 0	1	9.2	77.5	89.6	95.5	98.2	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7																						

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
MONTH: AUG HOURS: 1800-2000

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

.....
CEILING VISIBILITY IN STATUTE MILES
IN 1 GE 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
FEET 1 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200
.....

NO CEIL 1 4.7 48.9 53.8 57.2 58.5 58.7 58.7 58.7 58.9 58.9 58.9 58.9 58.9 58.9 58.9 58.9 58.9 58.9 58.9

GE 20000 5.4 57.3 63.9 68.2 69.7 70.1 70.3 70.5 70.8 70.8 70.8 70.8 70.8 70.8 70.8 70.8 70.8 70.8 70.8
GE 18000 5.4 57.7 64.1 68.6 70.1 70.5 70.8 71.0 71.2 71.2 71.2 71.2 71.2 71.2 71.2 71.2 71.2 71.2 71.2
GE 16000 5.4 57.8 64.4 68.7 70.2 70.6 70.9 71.1 71.3 71.3 71.3 71.3 71.3 71.3 71.3 71.3 71.3 71.3 71.3
GE 14000 5.4 58.2 65.3 69.6 71.1 71.5 71.7 71.9 72.2 72.2 72.2 72.2 72.2 72.2 72.2 72.2 72.2 72.2 72.2
GE 12000 5.4 59.5 66.9 71.8 73.4 73.9 74.1 74.3 74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.5

GE 10000 6.0 62.5 71.2 76.5 78.3 78.7 78.9 79.1 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4
GE 9000 6.0 62.8 71.7 77.0 78.8 79.2 79.5 79.7 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.9
GE 8000 6.0 66.2 75.6 80.9 83.2 83.7 83.9 84.1 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3
GE 7000 6.1 66.7 76.2 81.5 84.0 84.4 84.6 84.8 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1
GE 6000 6.1 67.0 76.9 82.3 84.8 85.3 85.5 85.7 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9

GE 5000 6.3 68.1 78.1 83.7 86.2 86.7 86.9 87.1 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3
GE 4500 6.6 68.8 78.8 84.4 87.1 87.5 87.7 87.9 88.0 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2
GE 4000 6.7 71.1 81.7 87.8 91.0 91.4 91.6 91.9 92.2 92.2 92.3 92.3 92.3 92.3 92.3 92.3 92.3 92.3 92.3
GE 3500 6.7 71.5 82.2 88.9 92.2 92.6 92.8 93.1 93.3 93.3 93.4 93.4 93.4 93.4 93.4 93.4 93.4 93.4 93.4
GE 3000 6.7 72.6 83.8 90.9 94.4 94.8 95.1 95.4 95.6 95.6 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7

GE 2500 6.7 72.8 84.2 91.5 95.1 95.5 95.7 96.0 96.2 96.2 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3
GE 2000 6.7 73.2 84.7 92.2 95.7 96.1 96.3 96.7 96.9 96.9 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0
GE 1800 6.7 73.2 84.7 92.2 95.7 96.1 96.3 96.7 96.9 96.9 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0
GE 1500 6.7 73.2 84.7 92.2 95.7 96.1 96.3 96.7 96.9 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0
GE 1200 6.7 73.4 84.9 92.6 96.3 96.9 97.1 97.4 97.6 97.6 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7

GE 1000 6.7 73.4 84.9 92.6 96.7 97.2 97.4 97.7 98.0 98.0 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1
GE 900 6.7 73.4 84.9 92.6 97.0 97.5 97.7 98.1 98.3 98.3 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4
GE 800 6.7 73.5 85.1 92.8 97.3 98.0 98.2 98.6 98.8 98.8 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9
GE 700 6.7 73.5 85.1 92.8 97.3 98.0 98.2 98.6 98.8 98.8 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9
GE 600 6.7 73.5 85.1 92.8 97.3 98.0 98.2 98.6 98.8 98.8 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9

GE 500 6.7 73.5 85.1 92.8 97.7 98.4 98.6 99.0 99.2 99.2 99.5 99.5 99.6 99.6 99.6 99.6 99.6 99.6
GE 400 6.7 73.5 85.1 92.8 97.7 98.4 98.6 99.0 99.2 99.2 99.5 99.5 99.7 99.7 99.7 99.7 99.7 99.7
GE 300 6.7 73.5 85.1 92.8 97.7 98.4 98.6 99.0 99.2 99.2 99.5 99.5 99.7 99.7 99.7 99.7 99.7 99.7
GE 200 6.7 73.5 85.1 92.8 97.7 98.4 98.6 99.0 99.2 99.2 99.5 99.5 99.7 99.7 99.7 99.7 99.7 99.7
GE 100 6.7 73.5 85.1 92.8 97.7 98.4 98.6 99.0 99.2 99.2 99.5 99.5 99.7 99.7 99.7 99.7 99.7 99.7

GE 01 6.7 73.5 85.1 92.8 97.7 98.4 98.6 99.0 99.2 99.2 99.5 99.5 99.7 99.7 99.7 99.7 99.7 99.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
 MONTH: AUG HOURS(IST): 2100-2300

CEILING VISIBILITY IN STATUTE MILES

IN FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	4.2	44.8	51.3	55.2	56.9	57.2	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 20000	4.5	52.9	60.8	66.2	68.9	69.6	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 18000	4.5	52.9	60.9	66.3	69.0	69.7	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 16000	4.5	53.1	61.1	66.6	69.2	69.9	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 14000	4.5	53.2	61.4	66.9	69.6	70.2	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 12000	4.5	54.4	62.9	68.7	71.4	72.0	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 10000	5.2	57.3	66.6	73.5	76.2	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 9000	5.2	58.2	67.4	74.4	77.1	77.7	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 8000	5.2	61.5	71.8	79.1	82.2	82.8	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 7000	5.2	61.7	72.2	79.5	82.6	83.2	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 6000	5.2	61.8	72.4	79.7	82.8	83.4	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 5000	5.2	62.7	74.1	81.5	84.7	85.4	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 4500	5.2	63.5	74.9	82.4	85.6	86.2	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 4000	5.2	66.2	78.0	86.1	89.7	90.3	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 3500	5.2	67.1	79.2	87.5	91.4	92.0	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 3000	5.2	68.0	80.5	89.0	93.1	93.8	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 2500	5.2	68.1	80.8	89.4	93.5	94.3	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 2000	5.2	68.6	81.3	90.0	94.4	95.2	95.4	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1800	5.2	68.6	81.3	90.0	94.4	95.2	95.4	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1500	5.2	68.7	81.4	90.3	94.8	95.6	95.8	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1200	5.2	68.8	81.8	90.9	95.8	96.6	96.9	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1000	5.2	69.1	82.3	91.3	96.2	97.3	97.6	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 900	5.2	69.1	82.3	91.3	96.2	97.3	97.6	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 800	5.2	69.4	82.5	91.9	97.1	98.2	98.5	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	5.2	69.4	82.5	92.0	97.2	98.3	98.6	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	5.2	69.4	82.5	92.0	97.3	98.4	98.7	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	5.2	69.5	82.6	92.2	97.4	98.5	98.8	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	5.2	69.5	82.6	92.2	97.5	98.6	98.9	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	5.2	69.5	82.6	92.2	97.5	98.6	98.9	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	5.2	69.5	82.6	92.2	97.5	98.6	98.9	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	5.2	69.5	82.6	92.2	97.5	98.6	98.9	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	5.2	69.5	82.6	92.2	97.5	98.6	98.9	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
MONTH: AUG HOURS(SLT): ALL

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	1	5.7	42.6	48.1	52.0	54.4	55.1	55.6	55.9	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2
GE 20000	6.1	49.7	56.7	61.4	64.5	65.4	66.2	66.7	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 18000	5.1	49.9	57.0	61.7	64.8	65.7	66.5	67.0	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 16000	6.2	50.1	57.3	62.1	65.1	66.0	66.9	67.3	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 14000	6.4	50.8	58.1	62.8	66.0	66.9	67.8	68.2	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 12000	6.4	52.3	59.9	64.9	68.2	69.2	70.1	70.5	70.6	70.6	70.6	70.9	70.9	70.9	70.9	70.9	70.9
GE 10000	6.9	55.4	63.9	69.5	73.1	74.1	75.0	75.5	75.6	75.6	75.6	75.9	75.9	75.9	75.9	75.9	75.9
GE 9000	6.9	56.1	64.6	70.3	73.9	74.9	75.8	76.3	76.4	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7
GE 8000	7.1	59.0	68.3	74.3	78.3	79.4	80.3	80.8	80.9	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 7000	7.1	59.5	69.0	75.1	79.1	80.3	81.2	81.7	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 6000	7.2	59.8	69.3	75.4	79.6	80.7	81.7	82.2	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 5000	7.3	60.5	70.4	76.7	80.9	82.1	83.1	83.6	83.7	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0
GE 4500	7.3	60.8	70.8	77.1	81.4	82.6	83.6	84.1	84.2	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5
GE 4000	7.4	63.0	73.5	80.3	84.9	86.1	87.2	87.8	87.9	88.1	88.2	88.2	88.2	88.3	88.3	88.3	88.3
GE 3500	7.4	65.0	75.8	81.9	86.7	87.9	89.0	89.6	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 3000	7.4	65.5	76.6	84.0	89.1	90.4	91.5	92.1	92.2	92.5	92.6	92.6	92.6	92.7	92.7	92.7	92.7
GE 2500	7.4	65.8	77.0	84.6	89.8	91.0	92.2	92.8	93.0	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 2000	7.5	66.4	77.7	85.4	90.7	92.0	93.3	93.9	94.0	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5
GE 1800	7.5	66.5	77.8	85.4	90.7	92.1	93.3	93.9	94.0	94.4	94.4	94.5	94.5	94.6	94.6	94.6	94.6
GE 1500	7.5	66.8	78.2	86.0	91.4	92.8	94.0	94.7	94.8	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1200	7.5	67.1	78.7	86.7	92.2	93.6	95.0	95.6	95.7	96.1	96.2	96.2	96.2	96.3	96.3	96.3	96.3
GE 1000	7.5	67.2	78.9	87.1	92.8	94.3	95.7	96.4	96.5	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 900	7.5	67.4	79.0	87.3	93.1	94.6	96.0	96.7	96.8	97.2	97.3	97.3	97.3	97.4	97.4	97.4	97.4
GE 800	7.5	67.5	79.2	87.6	93.6	95.2	96.7	97.5	97.6	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 700	7.5	67.6	79.2	87.8	93.7	95.4	96.9	97.7	97.8	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5
GE 600	7.5	67.6	79.2	87.8	93.8	95.5	96.9	97.8	97.9	98.3	98.5	98.5	98.5	98.6	98.6	98.6	98.6
GE 500	7.5	67.6	79.3	87.9	94.0	95.7	97.2	98.2	98.3	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 400	7.5	67.6	79.3	87.9	94.1	95.8	97.3	98.2	98.3	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 300	7.5	67.6	79.3	88.0	94.1	95.8	97.3	98.3	98.4	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 200	7.5	67.6	79.3	88.0	94.1	95.8	97.4	98.3	98.5	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.4
GE 100	7.5	67.6	79.3	88.0	94.1	95.8	97.4	98.3	98.5	99.0	99.3	99.3	99.3	99.5	99.5	99.5	99.5
GE 0	7.5	67.6	79.3	88.0	94.1	95.8	97.4	98.3	98.5	99.0	99.3	99.3	99.3	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS: 7490

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
MONTH: SEP HOURS(IST): 0300-0500

VISIBILITY IN STATUTE MILES												
IN	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	10	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16
0	0	0	0	0	0	0	0	0	0	0	0	0

NO CEIL	1	5.8	45.1	52.4	56.6	59.6	61.1	61.9	62.3	62.4	62.8	63.0	63.1	63.2	63.3
GE 20000	6.0	48.1	55.8	60.7	64.0	65.6	66.3	67.0	67.1	67.1	67.4	67.7	67.8	67.9	68.1
GE 18000	6.0	48.2	55.9	60.8	64.1	65.7	66.4	67.1	67.2	67.2	67.6	67.8	67.9	68.0	68.2
GE 16000	6.0	48.2	55.9	60.8	64.1	65.7	66.4	67.1	67.2	67.2	67.6	67.8	67.9	68.0	68.2
GE 14000	6.0	48.4	56.1	61.0	64.3	65.9	66.7	67.3	67.4	67.4	67.8	68.0	68.1	68.2	68.4
GE 12000	6.0	49.6	57.6	62.6	65.9	67.4	68.2	68.9	69.0	69.3	69.6	69.7	69.7	69.8	70.0
GE 10000	6.2	51.3	59.8	65.3	68.7	70.4	71.2	71.9	72.0	72.3	72.6	72.7	72.7	72.8	73.0
GE 9000	6.2	51.4	59.9	65.4	68.8	70.6	71.3	72.0	72.1	72.4	72.7	72.8	72.8	72.9	73.1
GE 8000	6.4	54.0	62.8	68.6	71.9	73.7	74.4	75.1	75.2	75.6	75.8	75.9	75.9	76.0	76.2
GE 7000	6.6	54.3	63.1	68.9	72.2	74.0	74.8	75.4	75.6	75.9	76.1	76.2	76.2	76.3	76.6
GE 6000	6.6	54.8	63.7	69.4	72.8	74.6	75.3	76.0	76.1	76.4	76.7	76.7	76.8	76.9	77.1
GE 5000	6.6	56.1	65.7	71.4	74.8	76.6	77.3	78.0	78.1	78.4	78.7	78.7	78.8	78.9	79.1
GE 4500	6.6	56.4	66.0	71.8	75.1	76.9	77.7	78.3	78.4	78.8	79.0	79.0	79.1	79.2	79.4
GE 4000	6.6	58.7	68.4	74.3	77.7	79.4	80.3	81.0	81.1	81.4	81.7	81.8	81.8	81.9	82.1
GE 3500	6.6	59.7	69.6	75.4	78.8	80.6	81.4	82.1	82.2	82.6	82.8	82.8	82.9	83.0	83.2
GE 3000	6.6	60.2	70.2	76.2	79.9	81.7	82.6	83.2	83.3	83.7	83.9	84.0	84.0	84.1	84.3
GE 2500	6.6	60.8	71.1	77.3	81.0	82.8	83.7	84.3	84.4	84.8	85.0	85.0	85.1	85.2	85.4
GE 2000	6.6	61.7	72.2	78.6	82.2	84.0	85.0	85.7	85.8	86.1	86.3	86.4	86.4	86.6	86.8
GE 1800	6.6	61.9	72.4	78.8	82.4	84.2	85.2	86.0	86.1	86.4	86.7	86.7	86.8	86.9	87.1
GE 1500	6.6	62.2	72.9	79.2	83.0	84.8	85.8	86.6	86.7	87.0	87.2	87.2	87.3	87.4	87.7
GE 1200	6.6	63.3	74.1	81.0	85.0	86.8	87.8	88.6	88.7	89.0	89.2	89.2	89.3	89.4	89.7
GE 1000	6.6	64.0	75.1	82.4	86.6	88.3	89.3	90.1	90.2	90.6	90.8	90.9	90.9	91.0	91.2
GE 900	6.6	64.6	75.7	83.0	87.3	89.1	90.1	90.9	91.0	91.3	91.6	91.7	91.7	91.8	92.0
GE 800	6.6	65.1	76.7	84.2	88.9	90.7	91.7	92.4	92.6	92.9	93.1	93.1	93.2	93.3	93.6
GE 700	6.6	65.2	77.0	84.6	89.3	91.1	92.2	93.0	93.1	93.4	93.7	93.8	93.8	93.9	94.1
GE 600	6.6	65.2	77.1	84.9	90.1	91.9	93.0	93.8	93.9	94.2	94.4	94.6	94.6	94.7	94.9
GE 500	6.6	65.3	77.3	85.2	90.9	92.7	94.0	94.9	95.0	95.4	95.7	95.7	95.8	95.9	96.1
GE 400	6.6	65.3	77.3	85.3	91.2	93.2	94.8	95.8	95.9	96.3	96.6	96.7	96.7	96.8	97.0
GE 300	6.6	65.3	77.3	85.3	91.6	93.7	95.2	96.3	96.4	97.1	97.4	97.4	97.6	97.7	97.8
GE 200	6.6	65.3	77.3	85.3	91.6	93.7	95.2	96.4	96.6	97.3	97.7	97.7	97.8	98.0	98.2
GE 100	6.6	65.3	77.3	85.4	91.7	93.8	95.4	96.7	96.8	97.6	97.9	97.9	98.1	98.3	98.4
GE 01	6.6	65.3	77.3	85.4	91.7	93.8	95.4	96.7	96.8	97.6	98.0	98.0	98.2	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: SEP HOURS(LST): 0600-0800

VISIBILITY IN STATUTE MILES														
IN	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE		
FEET	10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2		
0	0	0	0	0	0	0	0	0	0	0	0	0		
NO CEIL	5.7	35.0	41.7	47.0	51.3	52.4	53.6	55.0	55.4	56.1	56.3	56.4	56.6	56.6
GE 20000	5.7	38.3	45.0	50.9	55.3	56.7	58.1	59.6	60.0	60.7	61.0	61.2	61.4	61.6
GE 18000	5.7	38.7	45.4	51.3	55.8	57.1	58.6	60.0	60.4	61.1	61.4	61.7	61.9	62.0
GE 16000	5.8	38.8	45.6	51.4	55.9	57.2	58.7	60.1	60.6	61.2	61.6	61.8	62.0	62.1
GE 14000	5.8	39.3	46.3	52.2	56.7	58.0	59.4	60.9	61.3	62.0	62.3	62.6	62.8	62.9
GE 12000	5.8	40.2	47.3	53.2	57.9	59.2	60.9	62.3	62.8	63.4	63.8	64.0	64.2	64.3
GE 10000	6.2	42.2	49.8	55.9	61.0	62.3	64.2	65.8	66.2	66.9	67.2	67.4	67.7	67.8
GE 9000	6.2	42.8	50.3	56.4	61.6	62.9	64.8	66.3	66.8	67.4	67.8	68.0	68.2	68.3
GE 8000	6.2	44.1	51.8	58.3	64.1	65.6	67.6	69.1	69.6	70.6	70.9	71.1	71.4	71.6
GE 7000	6.2	44.7	52.7	59.3	65.3	66.8	68.8	70.3	70.8	71.8	72.1	72.3	72.7	72.8
GE 6000	6.2	45.4	53.6	60.2	66.2	67.7	69.7	71.2	71.7	72.7	73.0	73.2	73.6	73.7
GE 5000	6.4	47.1	55.3	62.2	68.6	70.0	72.0	73.6	74.0	75.0	75.3	75.6	75.9	76.0
GE 4500	6.4	47.2	55.9	63.4	70.1	71.8	73.8	75.3	75.8	76.8	77.1	77.3	77.7	77.8
GE 4000	6.8	49.0	57.8	66.0	72.9	74.6	76.6	78.1	78.6	79.6	79.9	80.1	80.4	80.6
GE 3500	6.8	49.9	58.7	67.1	74.0	75.7	77.7	79.3	79.8	80.8	81.1	81.3	81.7	81.8
GE 3000	6.8	51.3	60.1	68.8	75.8	77.4	79.6	81.2	81.7	82.7	83.0	83.2	83.6	83.7
GE 2500	6.8	52.4	61.4	70.2	77.2	78.9	81.0	82.7	83.1	84.1	84.4	84.7	85.0	85.1
GE 2000	6.8	53.2	62.2	71.3	78.3	80.0	82.1	83.8	84.2	85.2	85.6	85.8	86.1	86.2
GE 1800	6.8	53.2	62.6	71.7	78.8	80.4	82.7	84.3	84.8	85.8	86.1	86.3	86.7	86.8
GE 1500	6.9	53.9	63.3	72.8	80.1	81.8	84.0	85.7	86.1	87.1	87.4	87.7	88.0	88.1
GE 1200	6.9	54.6	64.4	73.9	81.6	83.2	85.6	87.2	87.7	88.7	89.0	89.2	89.6	89.7
GE 1000	6.9	55.3	65.2	74.9	82.8	84.6	87.0	88.7	89.1	90.2	90.6	90.8	91.1	91.2
GE 900	6.9	55.8	65.7	75.6	83.6	85.3	87.8	89.4	89.9	91.0	91.3	91.6	91.9	92.0
GE 800	6.9	56.1	66.3	76.6	84.6	86.0	89.0	90.6	91.2	92.0	93.1	93.3	93.7	93.8
GE 700	6.9	56.2	66.4	76.7	84.7	86.1	89.1	90.7	91.7	92.1	93.2	93.6	94.1	94.2
GE 600	6.9	56.2	66.4	76.7	84.7	86.1	89.1	90.7	91.7	92.1	93.2	93.6	94.1	94.2
GE 500	6.9	56.2	66.6	76.9	84.9	86.3	89.3	90.9	91.6	92.6	93.8	94.1	94.7	94.8
GE 400	6.9	56.2	66.6	76.9	84.9	86.3	89.3	90.9	91.6	92.6	93.8	94.1	94.7	94.8
GE 300	6.9	56.3	66.7	77.1	85.2	86.6	89.6	91.2	91.9	92.9	93.1	93.3	93.7	93.8
GE 200	6.9	56.3	66.7	77.1	85.2	86.6	89.6	91.2	91.9	92.9	93.1	93.3	93.7	93.8
GE 100	6.9	56.3	66.7	77.1	85.2	86.6	89.6	91.2	91.9	92.9	93.1	93.3	93.7	93.8
GE 0	6.9	56.3	66.7	77.1	85.2	86.6	89.6	91.2	91.9	92.9	93.1	93.3	93.7	93.8
GE 0	6.9	56.3	66.7	77.1	85.2	86.6	89.6	91.2	91.9	92.9	93.1	93.3	93.7	93.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724008 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: SEP HOURS: 0000-1100

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0	0
NO CEIL	8.0	49.7	53.4	55.1	56.2	56.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 20000	8.8	55.7	60.2	62.3	63.4	63.6	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 18000	8.8	55.7	60.2	62.3	63.4	63.6	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 16000	8.8	55.7	60.2	62.3	63.4	63.6	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 14000	9.0	56.1	60.7	62.9	64.0	64.1	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 12000	9.0	56.9	61.4	63.7	64.8	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 10000	9.1	60.0	64.9	67.6	68.9	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 9000	9.1	60.9	65.8	68.4	69.9	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 8000	9.2	62.8	67.9	71.3	73.2	73.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 7000	9.2	63.4	68.6	72.0	73.9	74.0	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 6000	9.2	64.8	69.9	73.3	75.2	75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 5000	9.7	66.4	71.7	75.2	77.1	77.2	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 4500	9.7	67.0	72.3	75.9	77.8	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 4000	9.9	69.0	74.9	79.1	81.2	81.6	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 3500	10.0	69.7	75.6	80.1	82.2	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 3000	10.4	71.3	77.3	82.0	84.1	84.4	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 2500	10.4	72.9	79.0	83.8	86.0	86.3	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 2000	10.4	73.8	80.3	85.2	87.7	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 1800	10.4	73.8	80.4	85.4	88.0	88.3	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 1500	10.8	74.8	81.6	86.9	89.7	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1200	11.0	76.2	83.6	89.2	92.3	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1000	11.0	77.7	85.1	90.8	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 900	11.0	77.7	85.2	91.0	94.2	94.9	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 800	11.0	78.0	85.6	91.4	95.1	95.9	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 700	11.0	78.1	85.7	91.7	95.6	96.6	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 600	11.0	78.1	85.8	91.9	95.8	97.1	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 500	11.0	78.2	85.9	92.0	96.1	97.6	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 400	11.0	78.2	85.9	92.0	96.2	97.7	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	11.0	78.2	86.0	92.1	96.4	97.9	99.0	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	11.0	78.2	86.0	92.1	96.4	97.9	99.0	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	11.0	78.2	86.0	92.1	96.4	97.9	99.0	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 0	11.0	78.2	86.0	92.1	96.4	97.9	99.0	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
MONTH: SEP HOURS(LST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		1	2	3	4	5	6	10	12.2	14.0	15.0	16.0	18.0	20.0	25.0	30.0	0
NO CEIL	12.2	53.2	54.6	55.7	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 20000	13.3	61.0	63.7	65.0	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 16000	13.3	61.0	63.7	65.0	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 14000	13.3	61.0	63.7	65.0	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 12000	14.0	63.2	66.2	67.6	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 10000	14.3	66.2	69.2	70.7	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 9000	14.4	67.2	70.6	72.0	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 8000	15.1	70.7	74.2	76.0	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 7000	15.3	71.1	74.9	76.8	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 6000	15.3	71.1	75.7	77.6	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 5000	15.4	74.1	78.2	80.2	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 4500	15.4	74.7	78.9	80.9	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 4000	15.8	78.6	83.2	85.6	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 3500	15.9	79.8	84.4	86.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 3000	16.0	81.6	86.4	88.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 2500	16.1	82.4	87.6	90.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 2000	16.1	84.2	89.3	91.9	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1800	16.1	84.3	89.4	92.1	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1500	16.2	85.7	90.9	93.7	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1200	16.2	86.2	91.6	94.3	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1000	16.2	86.6	92.1	95.1	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 900	16.2	86.7	92.3	95.4	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 800	16.2	86.8	92.6	95.7	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 700	16.2	86.8	92.6	95.8	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 600	16.2	86.8	92.6	95.8	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 500	16.2	86.9	92.8	96.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 400	16.2	86.9	92.8	96.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 300	16.2	86.9	92.8	96.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 200	16.2	86.9	92.8	96.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 100	16.2	86.9	92.8	96.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 0	16.2	86.9	92.8	96.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724086 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
MONTH: SEP

CEILING VISIBILITY IN STATUTE MILES

IN FEET 10 6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 1/4 0

GE 20000 10.0 59.3 61.9 63.4 64.6 65.0 65.4 65.6 65.7 65.7 65.7 65.7 65.7 65.7 65.7

GE 18000 10.0 59.7 62.2 63.8 64.9 65.3 65.4 65.6 65.6 65.6 65.6 65.6 65.6 65.6 65.6

GE 16000 10.1 59.8 62.3 63.9 65.0 65.4 65.6 65.7 65.7 65.7 65.7 65.7 65.7 65.7 65.7

GE 14000 10.2 60.2 63.1 64.7 65.8 66.2 66.3 66.4 66.4 66.4 66.4 66.4 66.4 66.4 66.4

GE 12000 10.4 61.4 64.6 66.1 67.2 67.7 67.8 67.9 67.9 67.9 67.9 67.9 67.9 67.9 67.9

GE 10000 10.4 64.0 67.8 69.8 71.1 71.6 71.7 71.8 71.8 71.8 71.8 71.8 71.8 71.8 71.8

GE 9000 10.6 64.9 69.0 71.0 72.3 72.8 72.9 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0

GE 8000 10.7 67.6 72.3 74.4 75.8 76.3 76.4 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6

GE 7000 10.8 68.4 73.3 75.8 77.1 77.7 77.8 77.9 77.9 77.9 77.9 77.9 77.9 77.9 77.9

GE 6000 11.1 68.9 73.9 76.3 77.7 78.2 78.3 78.4 78.4 78.4 78.4 78.4 78.4 78.4 78.4

GE 5000 11.1 70.4 75.8 78.2 79.6 80.1 80.2 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3

GE 4500 11.1 71.3 76.8 79.2 80.6 81.1 81.2 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3

GE 4000 11.1 75.3 81.0 84.0 85.3 85.9 86.1 86.2 86.2 86.2 86.2 86.2 86.2 86.2 86.2

GE 3500 11.1 76.9 83.1 86.2 87.7 88.3 88.8 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0

GE 3000 11.1 78.0 84.3 87.7 89.1 89.8 90.2 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4

GE 2500 11.1 78.9 85.3 88.7 90.1 90.8 91.2 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4

GE 2000 11.1 79.8 86.2 89.7 91.3 92.0 92.6 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8

GE 1800 11.1 80.1 86.6 90.0 91.7 92.3 92.9 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1

GE 1500 11.1 80.7 87.3 90.9 92.9 93.6 94.2 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4

GE 1200 11.1 80.9 87.7 91.3 93.8 94.4 95.3 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7

GE 1000 11.1 80.9 87.8 91.4 93.9 94.6 95.4 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8

GE 900 11.1 81.0 87.9 91.8 94.3 95.0 95.9 96.2 96.2 96.2 96.2 96.2 96.2 96.2 96.2

GE 800 11.1 81.0 87.9 92.0 94.6 95.2 96.3 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7

GE 700 11.1 81.1 88.1 92.2 95.1 95.8 96.9 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2

GE 600 11.1 81.2 88.2 92.3 95.2 95.9 97.0 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4

GE 500 11.1 81.2 88.3 92.6 96.0 96.7 97.9 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6

GE 400 11.1 81.3 88.4 92.7 96.3 97.0 98.3 99.0 99.3 99.3 99.3 99.3 99.3 99.3 99.3

GE 300 11.1 81.4 88.6 92.8 96.4 97.1 98.4 99.1 99.4 99.4 99.4 99.4 99.4 99.4 99.4

GE 200 11.1 81.4 88.7 92.9 96.6 97.2 98.6 99.2 99.6 99.6 99.6 99.6 99.6 99.6 99.6

GE 100 11.1 81.4 88.7 92.9 96.6 97.2 98.6 99.2 99.6 99.6 99.6 99.6 99.6 99.6 99.6

GE 0 11.1 81.4 88.7 92.9 96.6 97.2 98.6 99.2 99.6 99.6 99.6 99.6 99.6 99.6 99.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: SEP HOURS(IST): 2100-2300

CEILING VISIBILITY IN STATUTE MILES

IN	1	GE	10	6	5	4	3	2	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0
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FEET	10	6	5	4	3	2	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0		
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NO CEIL	1	6.3	52.3	56.6	58.4	59.4	60.1	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
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GE 20000	7.2	57.1	62.2	64.7	65.8	66.6	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
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GE 18000	7.2	57.1	62.2	64.7	65.8	66.6	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
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GE 16000	7.2	57.1	62.2	64.7	65.8	66.6	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
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GE 14000	7.2	57.1	62.3	64.8	65.9	66.7	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
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GE 12000	7.3	58.6	63.9	66.7	67.8	68.6	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
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GE 10000	7.6	61.6	67.6	70.8	71.9	72.7	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
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GE 9000	7.6	62.4	68.4	71.8	72.9	73.7	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
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GE 8000	7.6	65.3	71.9	75.4	76.6	77.3	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
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GE 7000	7.7	67.1	73.9	77.9	79.0	79.8	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
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GE 6000	7.7	67.3	74.3	78.3	79.4	80.2	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
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GE 5000	7.7	68.6	75.9	80.1	81.2	82.0	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
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GE 4500	7.7	68.9	76.3	80.7	81.8	82.6	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
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GE 4000	8.1	72.7	80.3	85.2	86.3	87.3	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
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GE 3500	8.1	73.4	81.4	86.9	88.0	89.0	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
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GE 3000	8.1	74.2	82.5	88.0	89.3	90.3	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
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GE 2500	8.1	74.9	83.3	88.8	90.1	91.1	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
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GE 2000	8.1	75.4	84.1	89.6	90.9	91.9	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
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GE 1800	8.1	75.6	84.2	89.8	91.1	92.1	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
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GE 1500	8.1	75.9	84.6	90.3	91.7	92.7	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
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GE 1200	8.1	76.1	84.8	90.9	92.2	93.2	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
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GE 1000	8.1	76.3	85.2	91.4	93.0	94.0	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
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GE 900	8.1	76.3	85.2	91.4	93.1	94.1	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
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GE 800	8.1	76.3	85.7	92.3	94.0	95.0	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
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GE 700	8.1	76.3	85.8	92.4	94.2	95.2	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
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GE 600	8.1	76.3	85.8	92.6	94.3	95.3	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
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GE 500	8.1	76.4	86.0	92.9	95.3	96.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
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GE 400	8.1	76.6	86.2	93.2	96.0	97.2	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
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GE 300	8.1	76.6	86.2	93.2	96.0	97.7	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
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GE 200	8.1	76.6	86.3	93.3	96.2	97.9	98.9	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
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GE 100	8.1	76.6	86.3	93.3	96.2	98.0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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GE	CI	8.1	76.6	86.3	93.3	96.2	98.0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: OCT HOURS(IST): 0000-0200

VISIBILITY IN STATUTE MILES									
IN	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	10	6	5	4	3	2	1 1/2	1 1/4	1
NO CEIL	7.3	48.2	49.2	51.0	53.3	53.5	53.9	54.1	54.2
GE 20000	7.7	50.8	51.8	53.5	56.1	56.5	56.8	57.0	57.1
GE 18000	7.7	51.1	52.2	53.9	56.5	56.8	57.1	57.3	57.4
GE 16000	7.7	51.1	52.2	53.9	56.5	56.8	57.1	57.3	57.4
GE 14000	7.7	51.5	52.6	54.3	57.0	57.3	57.6	57.8	58.0
GE 12000	7.7	52.4	53.4	55.2	57.8	58.2	58.5	58.7	58.8
GE 10000	8.0	55.3	57.0	58.9	61.7	62.0	62.4	62.6	62.7
GE 9000	8.1	56.7	58.4	60.3	63.1	63.4	63.8	64.0	64.1
GE 8000	8.1	58.9	60.6	62.7	65.5	65.8	66.1	66.3	66.5
GE 7000	8.2	61.2	62.9	64.9	67.7	68.1	68.4	68.6	68.7
GE 6000	8.2	61.9	63.9	65.9	68.7	69.0	69.4	69.6	69.7
GE 5000	8.2	64.8	66.8	68.8	71.6	71.9	72.6	72.8	72.9
GE 4500	8.3	66.1	68.2	70.3	73.1	73.4	74.1	74.3	74.4
GE 4000	8.6	69.6	72.6	75.3	78.3	78.6	79.4	79.6	79.7
GE 3500	8.6	70.9	74.0	76.7	79.9	80.2	81.0	81.2	81.3
GE 3000	8.6	72.6	75.9	79.0	82.3	82.6	83.3	83.5	83.7
GE 2500	8.6	73.0	76.6	80.0	83.3	83.8	84.5	84.8	84.9
GE 2000	8.6	74.2	77.7	81.3	84.6	85.2	85.9	86.2	86.3
GE 1800	8.6	74.3	77.8	81.6	84.9	85.5	86.2	86.6	86.7
GE 1500	8.6	74.7	78.4	82.4	85.7	86.2	87.0	87.3	87.4
GE 1200	8.6	75.2	79.2	83.2	86.7	87.2	88.0	88.3	88.4
GE 1000	8.6	75.5	79.6	84.3	88.1	88.7	89.5	89.9	90.0
GE 900	8.6	75.5	79.7	84.4	88.6	89.2	90.0	90.4	90.5
GE 800	8.6	75.8	80.1	84.9	89.6	90.2	91.0	91.4	91.5
GE 700	8.6	76.0	80.3	85.3	89.9	90.5	91.6	92.0	92.2
GE 600	8.6	76.1	80.4	85.4	90.0	90.6	91.7	92.2	92.3
GE 500	8.6	76.3	80.6	85.8	90.9	91.5	92.7	93.1	93.2
GE 400	8.6	76.3	80.6	86.0	91.7	92.5	93.9	94.3	94.4
GE 300	8.6	76.3	80.8	86.2	92.4	93.2	94.6	95.5	95.6
GE 200	8.6	76.3	80.8	86.2	92.4	93.2	94.7	95.6	95.7
GE 100	8.6	76.3	80.8	86.2	92.4	93.2	94.7	95.7	95.8
GE	01	8.6	76.3	80.8	86.2	92.4	93.2	94.7	95.7

TOTAL NUMBER OF OBSERVATIONS: 930

93.6

95.1

96.6

97.8

98.1

98.8

99.4

100.0

97.8

96.9

96.5

95.8

95.7

95.0

94.8

94.3

93.7

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724008 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: OCT HOURS: 1511: 0300-0500

..... VISIBILITY IN STATUTE MILES

CEILING IN FEET 10 6 5 4 3 2 1 1/2 1 3/4 1/2 5/8 1/4 0

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TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85

MONTH: OCT HOURS(LST): 0600-0800

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	6	5	4	3	2	1 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4
NO CEIL		6.0	38.6	42.2	45.3	47.1	48.1	48.8	49.2	49.4	49.7	50.1	50.2	50.5	50.5	50.6	50.8
GE	20000	6.2	41.8	45.5	48.8	50.8	51.7	52.5	53.0	53.2	53.8	54.2	54.3	54.7	54.8	54.9	55.1
GE	18000	6.2	41.8	45.5	48.8	50.8	51.7	52.5	53.0	53.2	53.8	54.2	54.3	54.7	54.8	54.9	55.1
GE	16000	6.2	41.8	45.5	48.8	50.9	51.9	52.7	53.2	53.4	54.0	54.4	54.5	54.9	55.1	55.2	55.3
GE	14000	6.3	42.5	46.3	49.9	51.8	52.9	53.7	54.2	54.4	54.9	55.4	55.5	55.9	56.0	56.1	56.2
GE	12000	6.3	43.1	47.3	50.9	52.8	54.0	54.8	55.4	55.6	56.1	56.6	56.7	57.1	57.2	57.3	57.4
GE	10000	6.3	45.9	50.5	54.1	56.2	57.5	58.8	59.4	59.6	60.1	60.5	60.6	61.1	61.2	61.3	61.4
GE	9000	6.3	46.2	50.9	54.4	56.8	58.1	59.4	59.9	60.1	60.6	61.1	61.2	61.6	61.7	61.8	61.9
GE	8000	6.3	49.2	54.3	58.0	60.4	61.8	63.2	63.8	64.0	64.5	64.9	65.1	65.5	65.6	65.8	65.9
GE	7000	6.3	50.4	55.7	59.5	62.0	63.4	64.8	65.4	65.6	66.1	66.6	66.7	67.1	67.2	67.4	67.5
GE	6000	6.3	51.3	56.7	60.5	63.1	64.5	65.9	66.5	66.7	67.2	67.6	67.7	68.2	68.3	68.5	68.6
GE	5000	6.3	52.7	58.3	62.3	64.9	66.6	68.0	68.5	68.7	69.2	69.7	69.8	70.2	70.3	70.5	70.6
GE	4500	6.3	53.3	58.9	63.1	65.8	67.4	69.0	69.6	69.8	70.3	70.9	71.0	71.4	71.5	71.7	71.8
GE	4000	6.3	56.8	62.8	67.6	70.5	72.2	73.8	74.3	74.5	75.1	75.7	75.8	76.2	76.3	76.7	76.8
GE	3500	6.3	57.3	63.5	68.7	71.6	73.2	74.8	75.4	75.6	76.1	76.8	76.9	77.4	77.5	77.8	78.0
GE	3000	6.3	58.8	65.2	70.8	73.8	75.5	77.2	77.7	78.0	78.5	79.1	79.2	79.8	79.9	80.2	80.3
GE	2500	6.5	60.6	67.0	72.8	76.0	77.7	79.5	80.0	80.2	80.8	81.4	81.5	82.0	82.2	82.5	82.6
GE	2000	6.6	61.6	68.6	74.5	77.8	79.6	81.4	81.9	82.2	82.7	83.3	83.4	84.0	84.1	84.4	84.6
GE	1800	6.6	61.8	68.8	74.8	78.2	79.9	81.7	82.3	82.5	83.0	83.7	83.8	84.3	84.4	84.7	84.9
GE	1500	6.6	62.3	69.6	75.6	79.1	80.9	82.7	83.2	83.4	84.0	84.6	84.7	85.3	85.4	85.7	86.0
GE	1200	6.6	62.7	70.4	76.6	80.3	82.2	84.0	84.5	84.7	85.5	86.1	86.2	86.8	86.9	87.2	87.5
GE	1000	6.6	62.9	70.6	76.9	81.1	83.0	84.8	85.4	85.6	86.3	87.0	87.1	87.6	87.7	88.1	88.4
GE	900	6.6	62.9	70.9	77.2	81.4	83.3	85.2	85.7	85.9	86.7	87.3	87.4	88.0	88.1	88.4	88.7
GE	800	6.6	63.3	71.4	77.8	82.4	84.4	86.2	86.9	87.1	87.8	88.5	88.6	89.1	89.2	89.6	89.9
GE	700	6.6	63.4	71.6	78.2	83.0	85.4	87.3	88.5	88.7	89.6	90.2	90.3	90.9	91.0	91.3	91.6
GE	600	6.6	63.4	71.6	78.3	83.2	85.7	87.7	88.9	89.1	90.0	90.6	90.8	91.3	91.4	91.7	92.0
GE	500	6.6	63.4	71.8	78.6	83.9	86.8	89.0	90.4	90.6	91.8	92.5	92.6	93.2	93.3	93.7	94.0
GE	400	6.6	63.4	71.8	78.7	84.4	87.3	90.3	92.0	92.3	93.5	94.2	94.3	94.9	95.1	95.4	95.7
GE	300	6.6	63.4	71.8	78.7	84.5	87.4	90.8	92.8	93.0	94.3	94.9	95.1	95.7	95.8	96.2	96.6
GE	200	6.6	63.4	71.8	78.7	84.7	87.7	91.1	93.2	93.4	94.7	95.9	96.1	97.1	97.2	97.7	98.2
GE	100	6.6	63.4	71.8	78.7	84.7	87.7	91.1	93.2	93.4	94.7	96.1	96.3	97.3	97.6	98.5	99.5
GE	0	6.6	63.4	71.8	78.7	84.7	87.7	91.1	93.2	93.4	94.7	96.1	96.3	97.3	97.6	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
MONTH: OCT HOURS: 0000-1100

VISIBILITY IN STATUTE MILES												
IN	1	GE	2	3	4	5	6	7	8	9	10	GE
FEET	100	1000	10000	100000	1000000	10000000	100000000	1000000000	10000000000	100000000000	1000000000000	GE
NO CEIL	7.6	47.4	49.5	50.0	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 20000	8.5	53.9	56.3	57.0	57.8	58.0	58.1	58.1	58.1	58.1	58.1	58.1
GE 18000	8.5	54.2	56.7	57.3	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4
GE 16000	8.5	54.2	56.8	57.4	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5
GE 14000	8.8	54.7	57.4	58.1	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1
GE 12000	8.8	55.5	58.2	58.9	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0
GE 10000	8.8	59.2	62.5	63.2	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.3
GE 9000	8.8	60.2	63.5	64.1	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4
GE 8000	8.8	63.0	66.3	67.4	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5
GE 7000	8.8	64.8	68.7	69.8	70.6	70.8	70.9	71.0	71.0	71.0	71.0	71.0
GE 6000	8.8	65.8	69.7	70.8	71.6	71.7	71.8	71.8	71.9	71.9	71.9	71.9
GE 5000	8.8	67.1	71.3	72.7	73.7	73.8	73.9	73.9	74.0	74.0	74.0	74.0
GE 4500	8.8	67.5	71.8	73.3	74.4	74.6	74.7	74.7	74.8	74.8	74.8	74.8
GE 4000	9.1	71.4	75.8	77.7	78.9	79.2	79.4	79.4	79.6	79.6	79.6	79.6
GE 3500	9.4	73.1	77.6	79.7	80.9	81.2	81.3	81.3	81.5	81.5	81.5	81.5
GE 3000	9.4	75.1	79.7	81.9	83.2	83.5	83.7	83.7	83.9	83.9	83.9	83.9
GE 2500	9.8	76.1	80.9	83.1	84.4	84.7	85.1	85.1	85.3	85.3	85.3	85.3
GE 2000	10.0	77.3	82.0	84.5	86.1	86.5	86.9	86.9	87.1	87.1	87.1	87.1
GE 1800	10.0	77.6	82.4	84.8	86.5	86.8	87.2	87.2	87.4	87.4	87.4	87.4
GE 1500	10.0	78.9	83.3	86.0	87.6	88.0	88.4	88.5	88.7	88.7	88.7	88.7
GE 1200	10.0	79.1	84.1	86.9	88.7	89.0	89.5	89.6	89.8	89.8	89.8	89.8
GE 1000	10.0	79.9	84.9	88.1	89.9	90.4	90.9	91.0	91.2	91.2	91.2	91.2
GE 900	10.0	80.1	85.1	88.6	90.4	91.0	91.4	91.5	91.7	91.7	91.7	91.7
GE 800	10.0	80.1	85.3	88.8	91.0	91.7	92.4	92.6	92.9	92.9	92.9	92.9
GE 700	10.0	80.2	85.5	89.4	91.8	92.7	93.5	93.9	94.2	94.3	94.3	94.3
GE 600	10.0	80.3	85.7	89.8	92.6	93.4	94.3	94.6	94.9	95.1	95.1	95.1
GE 500	10.0	80.5	86.0	90.4	93.5	94.5	96.3	97.1	97.2	97.7	97.7	97.7
GE 400	10.0	80.6	86.1	90.6	93.8	94.7	96.6	97.6	98.1	98.3	98.3	98.3
GE 300	10.0	80.6	86.1	90.6	93.8	94.8	96.8	97.7	98.4	98.6	98.6	98.6
GE 200	10.0	80.6	86.1	90.6	93.8	94.8	96.9	97.7	98.8	99.6	99.6	99.6
GE 100	10.0	80.6	86.1	90.6	93.8	94.8	96.9	97.7	98.8	99.7	99.9	100.0
GE 0	10.0	80.6	86.1	90.6	93.8	94.8	96.9	97.7	98.8	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 720088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
MONTH: OCT HOURS(UTC): 1800-2000

CEILING VISIBILITY IN STATUTE MILES

IN FEET 10 6 5 4 3 2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 1/4 0

NO CEIL	1	8.9	51.7	53.4	54.1	54.6	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 20000	10.0	59.2	61.0	61.9	62.7	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 18000	10.0	59.2	61.0	61.9	62.7	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 16000	10.0	59.2	61.0	61.9	62.7	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 14000	10.0	59.2	61.0	61.9	62.7	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 12000	10.0	60.8	62.8	63.8	64.5	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 10000	10.3	63.5	65.9	67.0	67.7	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 9000	10.3	64.4	66.8	67.8	68.6	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 8000	10.4	66.6	69.0	70.3	71.2	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 7000	10.6	68.2	70.8	72.0	72.9	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 6000	10.6	68.9	71.6	72.9	73.8	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 5000	10.6	70.6	74.0	75.3	76.2	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 4500	10.6	71.7	75.1	76.3	77.3	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 4000	11.0	76.7	80.4	82.2	83.4	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 3500	11.0	79.1	82.9	84.6	86.0	86.3	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 3000	11.1	80.9	84.6	86.7	88.1	88.4	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 2500	11.1	81.5	85.4	87.6	89.0	89.4	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 2000	11.1	82.4	86.6	88.9	90.5	91.0	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1800	11.1	82.6	86.8	89.1	90.8	91.2	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 1500	11.1	83.0	87.4	90.3	92.2	92.6	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1200	11.1	83.7	88.2	91.6	93.5	94.1	94.1	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1000	11.1	84.0	88.6	92.2	94.1	94.6	94.6	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 900	11.1	84.0	88.9	92.5	94.5	95.1	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 800	11.1	84.1	89.0	92.8	94.9	95.5	95.5	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 700	11.1	84.3	89.2	93.4	95.8	96.3	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 600	11.1	84.3	89.5	93.7	96.1	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 500	11.1	84.5	89.7	93.9	96.3	97.1	97.1	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 400	11.1	84.5	89.7	93.9	96.5	97.2	97.2	97.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 300	11.1	84.5	89.7	94.0	96.8	97.5	97.5	97.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 200	11.1	84.5	89.7	94.0	96.8	97.5	97.5	97.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 100	11.1	84.5	89.7	94.0	96.8	97.5	97.5	97.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 0	11.1	84.5	89.7	94.0	96.8	97.5	97.5	97.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAF/CIAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: OCT HOURS(1ST): 2100-2300

VISIBILITY IN STATUTE MILES									
CEILING	1	2	3	4	5	6	10	FEET	0
GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
1/4	1/2	3/4	1	1 1/4	1 1/2	2	3	4	5
55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
NO CEIL	7.8	50.4	52.3	53.4	54.2	54.5	54.8	54.9	54.9
GE 20000	8.3	55.4	57.4	58.9	59.8	60.1	60.5	60.6	60.6
GE 18000	8.3	55.6	57.6	59.1	60.0	60.3	60.8	60.9	60.9
GE 16000	8.3	55.6	57.6	59.1	60.0	60.3	60.8	60.9	60.9
GE 14000	8.3	55.9	58.0	59.5	60.3	60.6	61.1	61.2	61.2
GE 12000	8.5	57.1	59.1	60.6	61.5	61.8	62.3	62.4	62.4
GE 10000	9.1	61.4	63.9	65.7	66.6	67.3	67.7	67.8	67.8
GE 9000	9.1	61.8	64.3	66.1	67.0	67.3	67.7	67.8	67.8
GE 8000	9.6	64.2	66.9	68.9	69.9	70.2	70.6	70.8	70.8
GE 7000	9.8	65.3	68.1	70.1	71.1	71.4	71.8	71.9	71.9
GE 6000	9.8	65.9	68.7	70.8	71.7	72.0	72.5	72.6	72.6
GE 5000	9.9	68.7	71.6	73.7	74.7	75.1	75.8	75.9	75.9
GE 4500	9.9	69.8	72.7	74.7	75.8	76.1	76.9	77.0	77.0
GE 4000	10.2	75.9	79.4	81.8	83.0	83.3	84.1	84.2	84.2
GE 3500	10.2	77.0	80.4	82.9	84.1	84.4	85.2	85.3	85.3
GE 3000	10.3	77.5	81.3	84.1	85.3	85.6	86.3	86.5	86.5
GE 2500	10.3	78.1	82.2	84.9	86.1	86.5	87.2	87.3	87.3
GE 2000	10.3	78.8	83.0	86.3	87.6	88.0	88.7	88.8	88.8
GE 1800	10.3	79.1	83.3	86.9	88.4	88.8	89.7	89.8	89.8
GE 1500	10.3	79.2	83.8	87.4	88.9	89.4	90.2	90.3	90.3
GE 1200	10.3	80.0	84.6	88.4	90.2	90.6	91.5	91.6	91.6
GE 1000	10.3	81.0	85.7	89.8	91.6	92.0	92.9	93.0	93.0
GE 900	10.3	81.1	85.9	90.2	92.0	92.5	93.3	93.4	93.4
GE 800	10.3	81.4	86.3	91.2	93.3	93.8	94.6	94.7	94.7
GE 700	10.3	81.6	86.6	91.6	93.9	94.3	95.3	95.4	95.4
GE 600	10.3	81.7	86.7	91.8	94.4	94.8	95.8	95.9	95.9
GE 500	10.3	81.9	87.0	92.5	95.2	95.7	96.8	97.0	97.0
GE 400	10.3	81.9	87.0	92.5	95.3	95.8	97.1	97.3	97.3
GE 300	10.3	81.9	87.0	92.5	95.3	95.8	97.2	97.5	97.5
GE 200	10.3	81.9	87.0	92.5	95.3	95.8	97.2	97.5	97.5
GE 100	10.3	81.9	87.0	92.5	95.3	95.8	97.2	97.5	97.5
GE	01	10.3	81.9	87.0	92.5	95.3	95.8	97.2	97.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/WAC

STATION NUMBER: 724008 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: NOV HOURS(SLT): 0300-0500

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE	10	GE	6	GE	5	GE	4	GE	3	GE	2	GE	1 1/2	GE	1 1/4
NO	CEIL	1	8.0	48.7	50.0	51.2	51.4	51.8	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 20000	8.0	51.6	53.0	54.4	54.8	55.2	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 18000	8.0	51.6	53.0	54.4	54.8	55.2	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 16000	8.0	51.6	53.0	54.4	54.8	55.2	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 14000	8.0	51.6	53.0	54.4	54.8	55.2	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 12000	8.0	52.8	54.3	55.9	56.2	56.7	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 10000	8.2	55.2	57.0	58.6	58.9	59.3	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 9000	8.2	55.2	57.1	58.7	59.0	59.4	59.8	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 8000	8.3	56.8	59.0	60.6	61.3	61.8	62.1	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 7000	8.4	57.6	59.9	61.7	62.6	63.0	63.3	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 6000	8.4	57.8	60.2	62.0	62.9	63.3	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 5000	8.7	60.4	63.0	64.8	65.7	66.1	66.4	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 4500	8.8	61.9	64.4	66.4	67.3	67.8	68.1	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 4000	8.8	65.7	68.4	70.9	71.8	72.2	72.6	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 3500	9.8	67.0	69.8	72.3	73.2	73.8	74.1	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 3000	8.8	68.0	71.0	73.7	74.6	75.1	75.4	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 2500	8.8	69.8	73.2	76.3	77.2	77.8	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 2000	8.8	70.9	74.3	77.6	79.1	79.7	80.0	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 1800	8.8	71.2	74.7	78.1	79.6	80.1	80.4	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 1500	8.8	71.8	75.4	79.2	80.8	81.3	81.8	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 1200	8.8	72.9	76.8	80.9	82.4	83.0	83.6	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 1000	8.8	73.2	77.2	81.6	83.4	84.0	84.8	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 900	8.8	73.2	77.2	82.0	83.9	84.4	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 800	8.8	73.2	77.4	82.6	84.4	85.0	85.8	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 700	8.8	73.7	77.9	83.0	85.0	85.4	86.4	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 600	8.8	73.7	77.9	83.3	85.4	86.4	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 500	8.8	73.8	78.3	83.8	87.0	88.0	89.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 400	8.8	73.8	78.3	84.2	87.6	88.6	89.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 300	8.8	73.9	78.7	84.7	88.9	90.2	92.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 200	8.8	73.9	78.7	84.8	89.1	90.6	92.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 100	8.8	73.9	78.7	84.8	89.1	90.6	92.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE	CI	8.8	73.9	78.7	84.8	89.1	90.6	92.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85

MONTH: NOV HOURS(IST): 0600-0800

VISIBILITY IN STATUTE MILES									
IN	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4
	1	10	6	5	4	3	2 1/2	2	1 1/2

NO CEIL	1	6.9	40.0	42.2	43.9	44.9	45.2	45.8	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.9
GE 20000	7.1	45.3	48.1	49.9	51.1	51.4	51.6	52.3	52.3	52.7	52.8	52.8	52.9	52.9	52.9	53.4
GE 18000	7.1	45.3	48.1	49.9	51.1	51.4	51.7	52.4	52.4	52.8	52.9	52.9	53.0	53.0	53.0	53.6
GE 16000	7.1	45.3	48.1	49.9	51.1	51.4	51.7	52.4	52.4	52.8	52.9	52.9	53.0	53.0	53.0	53.6
GE 14000	7.1	45.4	48.2	50.0	51.2	51.6	51.8	52.6	52.6	52.9	53.0	53.0	53.1	53.1	53.1	53.7
GE 12000	7.2	46.1	48.9	50.8	52.0	52.3	52.6	53.3	53.3	53.7	53.8	53.8	53.9	53.9	53.9	54.4
GE 10000	7.3	50.1	53.1	55.1	56.3	56.8	57.0	57.8	57.8	58.1	58.2	58.2	58.3	58.3	58.3	59.0
GE 9000	7.3	50.1	53.1	55.1	56.3	56.8	57.2	58.0	58.0	58.3	58.4	58.4	58.6	58.6	58.6	59.2
GE 8000	7.3	52.3	55.7	58.3	59.7	60.1	60.6	61.3	61.3	61.7	61.9	61.9	62.0	62.0	62.0	62.7
GE 7000	7.3	53.0	56.6	59.2	60.8	61.3	61.8	62.6	62.6	63.0	63.2	63.2	63.3	63.3	63.3	64.0
GE 6000	7.4	53.9	57.4	60.2	61.8	62.3	62.9	63.7	63.7	64.1	64.3	64.3	64.4	64.4	64.4	65.1
GE 5000	7.7	55.6	59.3	62.1	63.7	64.2	64.8	65.6	65.6	66.0	66.2	66.2	66.3	66.3	66.3	67.0
GE 4500	7.8	56.4	60.3	63.3	65.0	65.7	66.2	67.0	67.0	67.4	67.7	67.7	67.8	67.8	67.8	68.4
GE 4000	7.8	60.3	64.4	67.7	69.3	70.2	71.0	72.0	72.0	72.6	72.8	72.8	72.9	72.9	72.9	73.6
GE 3500	7.8	61.4	65.9	69.3	71.0	71.9	72.7	73.7	73.7	74.2	74.4	74.4	74.6	74.6	74.6	75.2
GE 3000	7.8	62.4	66.9	71.1	72.9	73.9	74.7	75.7	75.7	76.2	76.4	76.4	76.6	76.6	76.6	77.2
GE 2500	7.8	63.8	68.7	73.0	74.8	75.8	76.6	77.6	77.6	78.1	78.3	78.3	78.4	78.4	78.4	79.1
GE 2000	7.8	65.0	70.0	74.6	76.3	77.3	78.1	79.1	79.1	79.7	79.9	79.9	80.0	80.0	80.0	80.7
GE 1800	7.8	65.1	70.4	75.0	76.8	77.8	78.6	79.6	79.6	80.1	80.3	80.3	80.4	80.4	80.4	81.1
GE 1500	7.8	65.7	71.3	76.7	78.4	79.4	80.2	81.2	81.2	81.9	82.1	82.1	82.2	82.2	82.2	82.9
GE 1200	7.8	66.7	72.4	77.9	79.8	81.0	81.8	82.8	82.8	83.4	83.7	83.7	83.8	83.8	83.8	84.4
GE 1000	7.8	67.2	73.2	79.1	81.2	82.4	83.4	84.4	84.4	85.2	85.4	85.4	85.6	85.6	85.6	86.2
GE 900	7.8	67.3	73.3	79.3	81.4	82.7	83.7	84.8	84.8	85.6	85.8	85.8	85.9	85.9	85.9	86.6
GE 800	7.8	67.4	73.4	80.1	83.0	84.6	85.7	86.9	86.9	87.7	87.9	87.9	88.0	88.0	88.0	88.7
GE 700	7.8	67.8	73.8	80.6	83.6	85.3	86.4	87.7	87.7	88.4	88.7	88.7	88.8	88.8	88.8	89.4
GE 600	7.8	67.8	73.9	80.8	84.0	85.8	86.9	88.1	88.1	88.9	89.1	89.1	89.2	89.2	89.2	89.9
GE 500	7.8	68.1	74.7	81.7	85.6	87.4	88.7	90.0	90.0	90.8	91.0	91.0	91.1	91.1	91.1	91.8
GE 400	7.8	68.1	74.7	81.9	86.6	88.6	89.9	91.4	91.4	92.2	92.4	92.4	92.6	92.7	92.7	93.6
GE 300	7.8	68.1	74.7	81.9	86.7	89.0	90.4	92.1	92.1	93.2	93.7	93.7	93.8	93.9	93.9	94.8
GE 200	7.8	68.1	74.7	81.9	86.7	89.0	90.6	92.4	92.4	94.0	94.7	94.7	95.0	95.2	95.4	96.3
GE 100	7.8	68.1	74.7	81.9	86.7	89.0	90.7	92.6	92.6	94.1	94.9	95.0	95.3	95.6	96.1	98.2
GE	01	7.8	68.1	74.7	81.9	86.7	89.0	90.7	92.6	94.1	94.9	95.0	95.3	95.6	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAF/CIAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTHS: NOV HOURS: 0900-1100

VISIBILITY IN STATUTE MILES												
CEILING	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8
NO CEIL	1	9.8	40.9	42.1	42.7	42.9	43.3	43.3	43.3	43.3	43.3	43.6
GE 20000	10.4	47.7	49.1	49.8	50.1	50.6	50.6	50.6	50.6	50.6	50.7	50.8
GE 18000	10.4	47.7	49.1	49.8	50.2	50.7	50.8	50.9	50.9	50.9	51.0	51.1
GE 16000	10.4	48.0	49.6	50.2	50.7	51.1	51.2	51.3	51.3	51.3	51.4	51.6
GE 14000	10.6	48.4	50.2	50.9	51.3	51.8	51.9	52.0	52.0	52.0	52.1	52.2
GE 12000	10.7	50.4	52.2	52.9	53.3	53.8	53.9	54.1	54.1	54.1	54.2	54.3
GE 10000	10.8	53.0	54.9	55.6	56.1	56.6	57.0	57.0	57.0	57.0	57.1	57.2
GE 9000	10.8	53.6	55.7	56.3	57.1	57.6	57.8	58.0	58.0	58.0	58.1	58.2
GE 8000	10.9	57.1	59.3	60.0	60.8	61.3	61.7	62.0	62.0	62.0	62.1	62.2
GE 7000	11.1	58.7	60.9	61.6	62.3	62.9	63.2	63.6	63.6	63.6	63.7	63.8
GE 6000	11.1	59.7	62.3	63.0	63.8	64.3	64.8	65.1	65.1	65.1	65.2	65.3
GE 5000	11.1	61.9	64.8	65.7	66.6	67.2	67.8	68.1	68.1	68.1	68.2	68.3
GE 4500	11.1	62.9	65.8	66.8	67.7	68.3	68.9	69.2	69.2	69.2	69.3	69.4
GE 4000	11.1	67.6	70.6	72.2	73.7	74.4	75.4	75.4	75.4	75.4	75.6	75.7
GE 3500	11.1	69.0	72.1	73.8	75.3	76.1	76.7	77.1	77.1	77.1	77.2	77.3
GE 3000	11.2	70.3	73.9	75.7	77.4	78.3	78.9	79.3	79.3	79.4	79.6	79.7
GE 2500	11.2	71.2	74.9	77.0	78.8	79.7	80.2	80.7	80.7	80.8	80.9	81.0
GE 2000	11.2	73.1	77.0	79.2	81.1	82.1	82.8	83.2	83.2	83.3	83.4	83.5
GE 1800	11.2	73.7	77.6	79.9	81.8	82.8	83.4	83.9	84.0	84.0	84.1	84.2
GE 1500	11.2	75.1	79.1	81.9	83.9	84.9	85.7	86.1	86.1	86.2	86.3	86.4
GE 1200	11.2	76.1	80.3	83.4	86.0	87.0	87.8	88.2	88.2	88.3	88.4	88.6
GE 1000	11.2	76.6	80.9	84.2	87.2	88.2	89.0	89.7	89.7	89.8	89.9	90.0
GE 900	11.2	76.9	81.3	84.8	87.8	88.8	89.6	90.2	90.2	90.3	90.4	90.6
GE 800	11.2	77.1	81.8	85.7	88.8	89.8	90.7	91.4	91.4	91.6	91.7	91.9
GE 700	11.2	77.6	82.4	86.3	89.6	90.8	92.0	92.9	92.9	93.0	93.1	93.2
GE 600	11.2	77.6	82.4	86.4	89.8	91.2	92.4	93.3	93.3	93.4	93.6	93.8
GE 500	11.2	77.7	82.7	86.7	90.3	91.9	93.7	94.6	94.6	94.8	94.9	95.1
GE 400	11.2	77.7	82.7	86.7	90.3	92.0	94.0	94.9	94.9	95.4	95.6	95.9
GE 300	11.2	77.7	82.7	86.7	90.4	92.1	94.1	95.2	95.3	96.0	96.2	96.4
GE 200	11.2	77.7	82.7	86.7	90.4	92.1	94.1	95.2	95.3	96.7	97.1	97.6
GE 100	11.2	77.7	82.7	86.7	90.4	92.1	94.1	95.2	95.3	96.7	97.2	97.7
GE 0	11.2	77.7	82.7	86.7	90.4	92.1	94.1	95.2	95.3	96.7	97.2	97.7
GE 0	11.2	77.7	82.7	86.7	90.4	92.1	94.1	95.2	95.3	96.7	97.2	97.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
MONTH: NOV HOURS(IST): 1200-1400

CEILING VISIBILITY IN STATUTE MILES

IN	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0					

NO CEIL 1 10.9 44.6 44.8 45.0 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45.2

GE 20000 12.3 53.7 54.0 54.4 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7

GE 16000 12.3 53.9 54.2 54.7 54.9 54.9 54.9 54.9 54.9 54.9 54.9 54.9 54.9 54.9 54.9 54.9 54.9 54.9 54.9

GE 14000 12.4 54.7 55.0 55.4 55.7 55.7 55.7 55.7 55.7 55.7 55.7 55.7 55.7 55.7 55.7 55.7 55.7 55.7 55.7

GE 12000 12.8 56.9 57.2 57.7 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9

GE 10000 13.4 59.9 60.6 61.2 61.4 61.4 61.4 61.4 61.4 61.4 61.4 61.4 61.4 61.4 61.4 61.4 61.4 61.4 61.4

GE 9000 13.6 60.4 61.1 61.8 62.0 62.0 62.0 62.0 62.0 62.0 62.0 62.0 62.0 62.0 62.0 62.0 62.0 62.0 62.0

GE 8000 13.8 63.1 63.6 64.6 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64.8

GE 7000 13.8 65.3 66.2 67.1 67.4 67.4 67.4 67.4 67.4 67.4 67.4 67.4 67.4 67.4 67.4 67.4 67.4 67.4 67.4

GE 6000 14.0 67.8 68.8 70.1 70.4 70.6 70.6 70.6 70.6 70.6 70.6 70.6 70.6 70.6 70.6 70.6 70.6 70.6 70.6

GE 5000 14.1 69.1 70.1 71.4 71.9 71.9 71.9 71.9 71.9 71.9 71.9 71.9 71.9 71.9 71.9 71.9 71.9 71.9 71.9

GE 4000 14.4 73.8 75.0 76.7 77.3 77.7 77.7 77.7 77.7 77.7 77.7 77.7 77.7 77.7 77.7 77.7 77.7 77.7 77.7

GE 3000 15.0 77.1 78.4 80.3 81.2 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7 81.7

GE 2500 15.0 79.3 80.8 82.8 84.0 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6

GE 2000 15.0 82.1 83.7 86.0 87.3 87.9 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0

GE 1800 15.0 82.3 84.1 86.6 88.0 88.6 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7

GE 1500 15.0 83.6 85.3 88.1 89.9 90.7 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9

GE 1200 15.0 84.0 85.8 88.7 90.8 91.6 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1

GE 1000 15.0 84.7 86.7 89.6 92.1 93.0 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6

GE 900 15.0 84.9 86.9 89.8 92.7 93.8 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3

GE 700 15.0 85.2 87.2 90.1 93.4 94.9 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4

GE 600 15.0 85.3 87.3 90.2 93.7 95.1 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8

GE 500 15.0 85.3 87.4 90.3 94.3 95.8 96.9 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2

GE 400 15.0 85.3 87.4 90.3 94.4 95.9 97.2 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6

GE 300 15.0 85.3 87.4 90.3 94.4 95.9 97.2 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6

GE 200 15.0 85.3 87.4 90.3 94.4 95.9 97.2 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6

GE 100 15.0 85.3 87.4 90.3 94.4 95.9 97.2 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
 MONTH: NOV HOURS(IST): 1500-1700

VISIBILITY IN STATUTE MILES												
IN	1	GE	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8
FEET	10	GE	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8
0	0	0	0	0	0	0	0	0	0	0	0	0

NO CEIL 1 11.8 45.6 45.9 46.1 46.4 46.4 46.6 46.6 46.6 46.6 46.6 46.6

GE 20000 13.4 55.7 56.1 56.4 57.0 57.0 57.1 57.1 57.1 57.1 57.1 57.1

GE 18000 13.6 56.0 56.6 56.9 57.4 57.4 57.6 57.6 57.6 57.6 57.6 57.6

GE 16000 13.6 56.1 56.7 57.0 57.6 57.6 57.7 57.7 57.7 57.7 57.7 57.7

GE 14000 13.6 56.4 57.0 57.3 57.9 58.0 58.0 58.0 58.0 58.0 58.0 58.0

GE 12000 13.7 57.3 57.9 58.2 58.8 58.8 58.9 58.9 58.9 58.9 58.9 58.9

GE 10000 14.0 60.8 61.6 62.6 63.1 63.1 63.2 63.2 63.2 63.2 63.2 63.2

GE 9000 14.0 61.4 62.2 63.2 63.8 63.8 63.9 63.9 63.9 63.9 63.9 63.9

GE 8000 14.1 64.1 65.6 66.7 67.2 67.2 67.3 67.3 67.3 67.3 67.3 67.3

GE 7000 14.3 65.6 67.0 68.1 68.7 68.7 68.8 68.8 68.8 68.8 68.8 68.8

GE 6000 14.4 66.6 68.1 69.3 70.0 70.0 70.1 70.1 70.1 70.1 70.1 70.1

GE 5000 14.4 70.2 71.9 73.6 74.3 74.3 74.4 74.4 74.4 74.4 74.4 74.4

GE 4500 14.7 71.4 73.1 74.9 75.8 75.8 75.9 75.9 75.9 75.9 75.9 75.9

GE 4000 15.4 75.3 77.2 79.4 80.4 80.6 80.7 80.7 80.8 80.8 80.8 80.8

GE 3500 15.7 77.7 79.7 82.1 83.3 83.4 83.6 83.6 83.7 83.7 83.7 83.7

GE 3000 15.8 79.6 81.6 84.3 85.7 85.9 86.0 86.0 86.1 86.1 86.1 86.1

GE 2500 16.0 81.1 83.1 85.9 87.4 87.7 87.8 87.8 87.9 87.9 87.9 87.9

GE 2000 16.0 82.1 84.1 87.2 88.8 89.0 89.1 89.1 89.2 89.2 89.2 89.2

GE 1800 16.0 82.8 84.8 87.9 89.4 89.7 89.8 89.8 89.9 89.9 89.9 89.9

GE 1500 16.0 83.3 85.3 88.4 90.3 91.0 91.2 91.4 91.6 91.6 91.6 91.6

GE 1200 16.0 83.6 85.6 88.7 90.7 91.4 91.8 92.1 92.1 92.2 92.2 92.2

GE 1000 16.0 83.6 85.7 88.8 91.0 92.0 92.3 92.7 92.7 92.8 92.8 92.8

GE 900 16.0 83.7 85.9 89.1 91.4 92.7 93.0 93.3 93.4 93.4 93.4 93.4

GE 800 16.0 83.9 86.1 89.3 92.0 93.3 93.7 94.1 94.2 94.2 94.2 94.2

GE 700 16.0 84.0 86.2 89.4 92.3 93.7 94.2 94.7 94.8 94.8 94.8 94.8

GE 600 16.0 84.0 86.2 89.6 92.6 93.9 94.4 94.9 95.0 95.0 95.0 95.0

GE 500 16.0 84.1 86.3 89.7 92.9 94.6 95.4 95.9 96.0 96.8 96.8 96.8

GE 400 16.0 84.1 86.4 89.9 93.1 94.9 95.9 96.6 96.7 97.8 97.8 97.8

GE 300 16.0 84.1 86.4 90.0 93.3 95.1 96.2 97.0 97.1 98.9 99.1 99.1

GE 200 16.0 84.1 86.4 90.0 93.3 95.1 96.2 97.0 97.1 98.9 99.6 99.7

GE 100 16.0 84.1 86.4 90.0 93.3 95.1 96.2 97.0 97.1 98.9 99.6 99.7

GE 01 16.0 84.1 86.4 90.0 93.3 95.1 96.2 97.0 97.1 98.9 99.6 99.7

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TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: NOV HOURS(IST): 2100-2300

CEILING IN FEET VISIBILITY IN STATUTE MILES

CEILING	IN	FEET	10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
GE 20000	11.9	51.7	53.3	54.2	55.3	55.3	55.3	55.4	55.4	55.4	55.6	55.7	55.7	55.8	55.8	55.8	55.9
GE 18000	11.9	51.7	53.3	54.2	55.3	55.3	55.3	55.4	55.4	55.4	55.6	55.7	55.7	55.8	55.8	55.8	55.9
GE 16000	11.9	51.7	53.3	54.2	55.3	55.3	55.3	55.4	55.4	55.4	55.6	55.7	55.7	55.8	55.8	55.8	55.9
GE 14000	11.9	52.0	53.7	54.6	55.7	55.7	55.7	55.8	55.8	55.8	55.9	56.0	56.0	56.1	56.1	56.1	56.2
GE 12000	11.9	53.2	54.9	55.9	57.0	57.0	57.0	57.1	57.1	57.1	57.2	57.3	57.3	57.4	57.4	57.4	57.6
GE 10000	12.2	56.1	57.8	58.8	59.9	59.9	59.9	60.0	60.0	60.0	60.1	60.2	60.2	60.3	60.3	60.3	60.4
GE 9000	12.2	56.3	58.0	59.0	60.1	60.1	60.1	60.2	60.2	60.2	60.3	60.4	60.4	60.6	60.6	60.6	60.7
GE 8000	12.3	59.6	61.8	63.1	64.2	64.2	64.2	64.3	64.3	64.3	64.6	64.7	64.7	64.8	64.8	64.8	64.9
GE 7000	12.3	60.3	62.6	63.9	65.2	65.2	65.2	65.3	65.3	65.3	65.6	65.7	65.7	65.8	65.8	65.8	65.9
GE 6000	12.3	60.8	63.1	64.4	65.8	65.8	65.8	65.9	65.9	65.9	66.1	66.2	66.2	66.3	66.3	66.3	66.4
GE 5000	12.4	63.1	65.8	67.1	68.4	68.4	68.4	68.7	68.7	68.7	68.9	69.0	69.0	69.1	69.1	69.1	69.2
GE 4500	12.4	64.3	67.0	68.4	69.8	69.8	69.8	70.0	70.0	70.0	70.2	70.3	70.3	70.4	70.4	70.4	70.6
GE 4000	12.4	68.4	71.6	73.2	74.6	74.6	74.6	74.8	74.8	74.8	75.0	75.1	75.1	75.2	75.2	75.2	75.3
GE 3500	12.8	70.6	73.7	75.8	77.1	77.1	77.1	77.3	77.3	77.3	77.6	77.7	77.7	77.8	77.8	77.8	77.9
GE 3000	12.8	71.4	74.6	76.9	78.2	78.2	78.2	78.4	78.7	78.7	78.9	79.0	79.0	79.1	79.1	79.1	79.2
GE 2500	12.9	73.1	76.8	79.3	80.7	80.9	81.1	81.1	81.1	81.1	81.3	81.4	81.4	81.6	81.6	81.6	81.7
GE 2000	13.0	74.2	78.3	81.2	82.6	82.8	83.0	83.0	83.0	83.0	83.2	83.3	83.3	83.4	83.4	83.4	83.6
GE 1800	13.0	74.3	78.6	81.4	82.8	83.0	83.2	83.2	83.2	83.2	83.4	83.6	83.6	83.7	83.7	83.7	83.8
GE 1500	13.0	74.9	79.2	82.1	83.6	83.8	84.0	84.0	84.0	84.0	84.2	84.3	84.3	84.4	84.4	84.4	84.6
GE 1200	13.0	75.6	80.1	83.0	84.6	84.9	85.1	85.2	85.2	85.2	85.4	85.6	85.6	85.7	85.7	85.7	85.8
GE 1000	13.0	76.2	81.1	84.2	85.9	86.2	86.4	86.6	86.6	86.6	86.8	86.9	86.9	87.0	87.0	87.0	87.1
GE 900	13.0	76.2	81.2	84.3	86.3	86.7	86.9	87.0	87.0	87.0	87.2	87.3	87.3	87.4	87.4	87.4	87.6
GE 800	13.0	76.3	81.4	84.9	87.6	88.0	88.3	88.4	88.4	88.4	88.7	88.8	88.8	88.9	88.9	88.9	89.0
GE 700	13.0	76.4	81.6	85.0	87.7	88.1	88.7	88.8	88.8	88.8	89.0	89.1	89.1	89.2	89.2	89.2	89.3
GE 600	13.0	76.7	81.8	85.3	88.2	88.8	89.6	89.7	89.7	89.7	89.9	90.0	90.0	90.1	90.1	90.1	90.2
GE 500	13.0	77.3	82.9	86.9	90.1	90.9	92.2	92.4	92.4	92.4	92.7	92.8	92.8	92.9	92.9	92.9	93.0
GE 400	13.0	77.4	83.6	87.7	91.0	91.8	93.2	93.7	93.8	94.1	94.3	94.3	94.3	94.6	94.6	94.6	94.7
GE 300	13.0	77.4	83.6	87.8	91.2	92.0	93.8	94.3	94.4	95.1	95.3	95.3	95.3	95.6	95.6	95.6	95.7
GE 200	13.0	77.4	83.6	87.8	91.2	92.1	94.1	94.9	95.0	95.8	96.1	96.1	96.1	96.3	96.3	96.3	96.4
GE 100	13.0	77.4	83.6	87.8	91.2	92.1	94.1	94.9	95.0	96.2	97.0	97.0	97.0	97.3	97.3	97.3	97.6
GE 0	13.0	77.4	83.6	87.8	91.2	92.1	94.1	94.9	95.0	96.2	97.0	97.0	97.0	97.3	97.3	97.6	98.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088				STATION NAME: DOVER AFB DE				PERIOD OF RECORD: 76-85												MONTH: NOV				HOURS(LST):				ALL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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IN		1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE

TOTAL NUMBER OF OBSERVATIONS: 7200

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE
PERIOD OF RECORD: 76-85
MONTH: DEC HOURS(ILL): 0000-0200

[illegible]TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-8

MONTH: DEC HOURS (LST): 0900-1100

VISIBILITY IN STATUTE MILES												
CEILING	IN	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2
NO CEIL	10.8	42.6	43.0	43.3	43.4	43.5	43.7	43.8	43.8	43.8	43.8	43.8
GE 20000	11.5	49.0	49.7	50.2	50.5	50.9	51.1	51.2	51.3	51.3	51.3	51.3
GE 18000	11.5	49.6	50.2	50.8	51.1	51.4	51.6	51.7	51.8	51.8	51.8	51.8
GE 16000	11.5	49.6	50.2	50.8	51.1	51.4	51.6	51.7	51.8	51.8	51.8	51.8
GE 14000	11.6	49.9	50.5	51.1	51.4	51.7	51.9	52.0	52.2	52.2	52.2	52.2
GE 12000	12.2	52.3	53.0	53.5	53.9	54.2	54.4	54.5	54.6	54.6	54.6	54.6
GE 10000	13.2	58.5	59.6	60.6	61.0	61.3	61.5	61.6	61.7	61.7	61.7	61.7
GE 9000	13.5	59.2	60.6	61.8	62.2	62.5	62.7	62.8	62.9	62.9	62.9	62.9
GE 8000	13.9	62.3	64.0	65.5	65.9	66.2	66.5	66.6	66.7	66.7	66.7	66.7
GE 7000	14.7	65.5	67.5	69.1	69.6	69.9	70.1	70.2	70.3	70.3	70.3	70.3
GE 6000	14.7	67.3	69.4	71.1	71.5	71.8	72.0	72.2	72.3	72.3	72.3	72.3
GE 5000	14.9	69.2	71.6	73.3	74.0	74.6	74.8	74.9	75.1	75.1	75.1	75.1
GE 4500	14.9	69.9	72.6	74.5	75.1	75.7	75.9	76.0	76.1	76.1	76.1	76.1
GE 4000	15.2	73.3	76.3	78.4	79.2	79.9	80.1	80.2	80.3	80.3	80.3	80.3
GE 3500	15.2	74.3	77.3	79.5	80.5	81.2	81.4	81.5	81.6	81.6	81.6	81.6
GE 3000	15.3	75.6	78.8	81.2	82.6	83.3	83.7	83.9	84.2	84.2	84.2	84.2
GE 2500	15.5	76.1	79.6	81.9	83.5	84.3	84.8	85.1	85.4	85.4	85.4	85.4
GE 2000	15.5	77.4	80.9	83.2	85.1	86.1	86.7	86.9	87.2	87.2	87.2	87.2
GE 1800	15.5	77.5	81.0	83.3	85.2	86.2	86.8	87.0	87.3	87.3	87.3	87.3
GE 1500	15.5	77.6	81.2	83.7	85.7	86.9	87.5	87.7	88.1	88.1	88.1	88.1
GE 1200	15.5	77.8	81.5	84.1	86.1	87.3	88.0	88.2	88.6	88.7	88.7	88.7
GE 1000	15.5	78.3	82.0	84.7	86.9	88.2	88.9	89.1	89.6	89.8	89.8	89.8
GE 900	15.5	78.3	82.4	85.4	87.5	88.9	89.7	89.9	90.3	90.5	90.5	90.5
GE 800	15.5	78.7	82.8	86.0	88.5	89.9	90.8	91.0	91.5	91.8	91.8	91.8
GE 700	15.5	79.0	83.2	86.7	89.2	90.6	91.5	91.7	92.1	92.6	92.6	92.6
GE 600	15.5	79.0	83.3	86.8	89.4	90.8	91.6	91.8	92.5	92.8	92.8	92.8
GE 500	15.5	79.1	83.8	87.7	91.1	92.6	93.5	94.0	94.8	95.2	95.2	95.2
GE 400	15.5	79.1	83.8	88.1	91.7	93.7	95.2	95.8	96.8	97.2	97.2	97.2
GE 300	15.5	79.1	83.8	88.2	91.9	93.9	95.5	96.1	96.8	98.6	98.7	98.7
GE 200	15.5	79.1	83.8	88.2	91.9	93.9	95.5	96.3	97.0	98.4	99.2	99.6
GE 100	15.5	79.1	83.8	88.2	91.9	93.9	95.5	96.3	97.0	98.4	99.2	99.6
GE 0	15.5	79.1	83.8	88.2	91.9	93.9	95.5	96.3	97.0	98.4	99.2	99.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
MONTH: DEC HOURS(LST): 1500-1700

CEILING

VISIBILITY IN STATUTE MILES

IN 1 GE 6 GE 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 1/4 0

FEET 1 10 6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 5/16 1/4 0

NO CEIL 1 12.6 44.7 45.5 45.7 45.8 45.8 45.9 45.9 45.9 45.9 45.9 45.9 45.9 45.9 45.9 45.9

GE 20000 13.9 51.6 52.6 52.9 53.0 53.0 53.1 53.2 53.2 53.2 53.2 53.2 53.2 53.2 53.2 53.2

GE 18000 14.1 52.5 53.4 53.8 53.9 54.0 54.1 54.1 54.1 54.1 54.1 54.1 54.1 54.1 54.1 54.1 54.1

GE 16000 14.3 52.8 53.8 54.1 54.2 54.3 54.4 54.4 54.4 54.4 54.4 54.4 54.4 54.4 54.4 54.4 54.4

GE 14000 14.3 53.7 54.6 54.9 55.1 55.2 55.3 55.3 55.3 55.3 55.3 55.3 55.3 55.3 55.3 55.3 55.3

GE 12000 14.8 55.8 56.8 57.1 57.2 57.4 57.4 57.4 57.4 57.4 57.4 57.4 57.4 57.4 57.4 57.4 57.4

GE 10000 15.1 59.7 60.6 61.1 61.2 61.2 61.3 61.4 61.4 61.4 61.4 61.5 61.5 61.5 61.5 61.5 61.6

GE 9000 15.5 60.5 61.5 62.0 62.2 62.2 62.3 62.4 62.4 62.4 62.4 62.5 62.5 62.5 62.5 62.5 62.6

GE 8000 15.6 64.2 65.2 65.9 66.0 66.0 66.1 66.2 66.2 66.2 66.2 66.3 66.3 66.3 66.3 66.3 66.5

GE 7000 16.0 66.3 67.5 68.3 68.5 68.5 68.6 68.7 68.7 68.7 68.7 68.8 68.8 68.8 68.8 68.8 68.9

GE 6000 16.1 67.5 69.0 69.8 70.1 70.1 70.3 70.4 70.4 70.4 70.4 70.5 70.5 70.5 70.5 70.5 70.6

GE 5000 16.3 70.3 71.8 73.1 73.5 73.7 73.9 74.0 74.0 74.0 74.0 74.1 74.1 74.1 74.1 74.1 74.2

GE 4500 16.3 71.3 72.8 74.1 74.6 74.7 74.9 75.1 75.1 75.1 75.2 75.2 75.2 75.2 75.2 75.2 75.3

GE 4000 16.6 75.1 77.0 78.3 78.9 79.0 79.2 79.4 79.4 79.4 79.5 79.5 79.5 79.5 79.5 79.5 79.6

GE 3500 16.6 76.5 78.7 80.1 80.9 81.0 81.2 81.3 81.3 81.3 81.4 81.4 81.4 81.4 81.4 81.4 81.5

GE 3000 17.1 79.4 81.9 83.8 84.7 84.8 85.1 85.2 85.2 85.2 85.3 85.3 85.3 85.3 85.3 85.3 85.4

GE 2500 17.1 80.3 83.0 85.1 86.5 86.6 86.8 87.0 87.0 87.0 87.1 87.1 87.1 87.1 87.1 87.1 87.2

GE 2000 17.1 81.5 84.2 86.3 88.0 88.1 88.3 88.5 88.5 88.5 88.6 88.6 88.6 88.6 88.6 88.6 88.7

GE 1800 17.1 81.7 84.5 87.0 88.7 88.8 89.0 89.2 89.2 89.2 89.4 89.4 89.4 89.4 89.4 89.4 89.5

GE 1500 17.1 82.2 84.9 87.6 89.6 89.7 89.9 90.1 90.1 90.1 90.3 90.3 90.3 90.3 90.3 90.3 90.4

GE 1200 17.1 82.7 85.5 88.3 90.3 90.4 90.6 90.9 90.9 90.9 91.1 91.1 91.1 91.1 91.1 91.1 91.2

GE 1000 17.1 83.3 86.2 89.1 91.3 91.5 91.8 92.2 92.2 92.2 92.4 92.4 92.4 92.4 92.4 92.4 92.5

GE 900 17.1 83.5 86.5 89.5 91.7 91.9 92.3 92.6 92.6 92.6 92.8 92.8 92.8 92.8 92.8 92.8 92.9

GE 800 17.1 83.8 86.7 89.7 91.9 92.2 92.5 92.8 92.8 92.8 93.0 93.0 93.0 93.0 93.0 93.0 93.1

GE 700 17.1 84.0 87.1 90.1 92.6 92.8 93.1 93.4 93.4 93.4 93.7 93.7 93.7 93.7 93.7 93.7 93.8

GE 600 17.1 84.1 87.3 90.3 93.1 93.3 93.8 94.3 94.3 94.3 94.5 94.5 94.5 94.5 94.5 94.5 94.6

GE 500 17.1 84.3 87.5 90.6 93.8 94.3 94.9 95.6 95.6 95.6 96.0 96.1 96.1 96.1 96.1 96.1 96.3

GE 400 17.1 84.4 87.6 91.2 94.6 95.2 95.8 96.7 96.7 96.8 97.2 97.2 97.4 97.4 97.4 97.5 97.6

GE 300 17.1 84.4 87.6 91.2 94.7 95.3 96.0 97.1 97.2 97.7 98.2 98.2 98.4 98.4 98.4 98.5 98.6

GE 200 17.1 84.4 87.6 91.2 94.8 95.4 96.2 97.3 97.4 98.1 98.5 98.6 98.8 98.8 98.8 99.1 99.5

GE 100 17.1 84.4 87.6 91.2 94.8 95.4 96.2 97.3 97.4 98.1 98.5 98.6 98.8 98.9 99.4 99.8

GE 0 17.1 84.4 87.6 91.2 94.8 95.4 96.2 97.3 97.4 98.1 98.5 98.6 98.8 98.9 99.4 100.0

TOTAL NUMBER OF OBSERVATIONS: 930

AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
MONTH: DEC HOURS (LST): 1800-2000

CEILING.....VISIBILITY IN STATUTE MILES.....

[illegible][illegible][illegible][illegible][illegible]

15.8	53.7	54.2	55.3	55.4	55.4	55.4	55.4
6E 10000							
14.4	55.6	56.1	57.2	57.3	57.3	57.3	57.3
6E 12000							

[illegible]

66E 10000	14.4	60.0	60.5	61.2	61.7	61.7	61.8	61.8	61.9	61.9	61.9	61.9
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[illegible][illegible][illegible][illegible]

66	5000	15.2	69.5	70.0	71.0	71.5	71.5	71.6	71.6	71.7	71.7	71.7	71.7
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[illegible]

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2
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6E	3500	15.0	77.2	70.8	80.1	80.8	81.1	81.1	81.2	81.2	81.3	81.3	81.3
6E	3500	15.0	70.5	81.7	87.1	87.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2

[illegible][illegible][illegible]

GE	1800	15.8	81.7	84.6	86.5	87.2	87.5	87.5	87.7	87.7	87.8	87.8	87.8	87.8
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[illegible]

GE	12001	15.8	82.8	86.6	88.6	89.4	89.7	89.9	90.1	90.1	90.3	90.3	90.3	90.3	90.3
6E	12001	15.8	82.8	86.6	88.6	89.4	89.7	89.9	90.1	90.1	90.3	90.3	90.3	90.3	90.3

66	1000	15.8	A3-0	A7-0	A9-1	90-3	90-6	91-0	91-2	91-2	91-4	91-4	91-4	91-4
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	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2
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[illegible]

700E	15.8	84.1	88.3	90.9	92.2	92.6	92.9	93.1	93.1	93.3	93.3	93.3
700L	15.8	84.1	88.3	90.9	92.2	92.6	92.9	93.1	93.1	93.3	93.3	93.3
700S	15.8	84.1	88.3	90.9	92.2	92.6	92.9	93.1	93.1	93.3	93.3	93.3

GE	600	15.8	84.4	88.6	91.3	92.6	93.0	93.3	93.8	93.8	94.0	94.0	94.0	94.0
6E	600	15.8	84.4	88.6	91.3	92.6	93.0	93.3	93.8	93.8	94.0	94.0	94.0	94.0

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66E	300	15.8	84.6	89.1	92.3	94.2	94.6	95.4	96.2	96.8	97.2	97.2	97.3	97.3	97.3
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Year	15.9	84.6	89.1	92.6	94.7	95.3	96.0	97.2	97.3	97.8	98.4	98.7	98.7	98.7
2001	15.9	84.6	89.1	92.6	94.7	95.3	96.0	97.2	97.3	97.8	98.4	98.7	98.7	98.7

	96E	100	15.8	84.6	89.1	92.6	94.7	95.3	96.0	97.2	97.3	97.8	98.4	98.4	99.0	99.1	99.6	100.0
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TOTAL NUMBER OF OBSERVATIONS: 930.

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
MONTH: DEC HOURS(151): 2100-2300

CEILING VISIBILITY IN STATUTE MILES

IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	12.8	49.0	50.1	50.3	50.5	50.5	50.5	50.6	50.6	50.6	50.8	50.8	50.8	50.8	50.9
GE 20000	13.1	53.1	54.4	54.8	55.1	55.1	55.1	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.4
GE 18000	13.1	53.3	54.6	55.1	55.3	55.3	55.3	55.4	55.4	55.4	55.5	55.5	55.5	55.5	55.6
GE 16000	13.1	53.3	54.6	55.1	55.3	55.3	55.3	55.4	55.4	55.4	55.5	55.5	55.5	55.5	55.6
GE 14000	13.2	53.9	55.2	55.6	55.8	55.8	55.8	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.1
GE 12000	13.4	55.3	56.6	57.0	57.2	57.2	57.2	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.5
GE 10000	13.8	59.8	61.2	61.6	61.8	61.8	61.8	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.2
GE 9000	14.0	60.3	61.7	62.2	62.4	62.4	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.7
GE 8000	14.4	63.7	65.1	65.7	66.0	66.0	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.3
GE 7000	14.6	64.6	66.0	66.7	67.0	67.0	67.0	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.3
GE 6000	14.6	65.0	67.2	67.8	68.2	68.2	68.2	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.8
GE 5000	14.8	69.7	71.1	71.7	72.0	72.0	72.0	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.7
GE 4000	14.8	70.1	71.7	72.4	72.7	72.7	72.7	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.3
GE 4000	14.9	74.9	77.7	78.5	78.8	78.8	78.8	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.5
GE 3500	14.9	76.2	79.1	80.3	80.6	80.6	80.6	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.4
GE 3000	14.9	78.4	81.8	83.1	83.7	83.8	84.1	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.5
GE 2500	14.9	79.4	83.1	84.5	85.3	85.4	85.7	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.1
GE 2000	14.9	79.9	84.5	86.2	87.0	87.2	87.5	87.7	87.7	87.8	87.8	87.8	87.8	87.8	88.0
GE 1800	14.9	80.0	84.6	86.3	87.1	87.3	87.6	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.3
GE 1500	14.9	80.4	85.3	87.1	87.8	88.3	88.6	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.2
GE 1200	14.9	81.4	86.3	88.4	89.2	89.7	90.0	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.6
GE 1000	14.9	81.9	87.1	89.2	90.4	90.9	91.2	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.8
GE 900	14.9	82.4	87.7	89.9	91.3	91.7	92.0	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.7
GE 800	14.9	82.5	88.0	90.3	91.8	92.3	92.7	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.3
GE 700	14.9	82.6	88.2	90.6	92.2	92.6	93.1	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.8
GE 600	14.9	82.9	88.5	91.0	92.6	93.0	93.9	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.5
GE 500	14.9	83.2	88.9	91.6	93.8	94.2	95.3	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.3
GE 400	14.9	83.2	88.9	91.6	93.8	94.2	95.4	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.5
GE 300	14.9	83.2	88.9	91.7	94.1	94.5	96.0	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.8
GE 200	14.9	83.2	88.9	91.8	94.2	94.7	96.2	97.7	97.7	98.0	98.6	98.6	98.6	98.6	98.8
GE 100	14.9	83.2	88.9	91.8	94.2	94.7	96.2	97.8	98.0	98.2	98.8	98.9	99.2	99.4	99.8
GE 0	14.9	83.2	88.9	91.8	94.7	94.7	96.2	97.8	98.0	98.2	98.8	98.9	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
MONTH: DEC HOURS(LST): ALL

CEILING VISIBILITY IN STATUTE MILES

IN	1	GE	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0
FEET	10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0	0
NO CEIL	11.6	46.9	47.8	48.3	48.6	48.7	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9
GE 20000	12.2	51.9	53.0	53.6	54.0	54.1	54.2	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4
GE 18000	12.4	52.4	53.5	54.1	54.5	54.6	54.7	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9
GE 16000	12.4	52.5	53.6	54.2	54.6	54.7	54.8	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0
GE 14000	12.4	53.0	54.1	54.7	55.1	55.2	55.3	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5
GE 12000	12.8	54.4	55.5	56.2	56.6	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 10000	13.3	59.2	60.4	61.2	61.6	61.7	61.8	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.1
GE 9000	13.5	59.7	61.1	61.9	62.3	62.4	62.5	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.8
GE 8000	13.8	63.5	65.0	66.0	66.6	66.7	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.1
GE 7000	14.1	65.3	66.9	67.9	68.6	68.6	68.8	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0
GE 6000	14.2	66.5	68.1	69.2	69.8	69.9	70.1	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3
GE 5000	14.3	69.1	70.8	72.1	72.8	73.1	73.3	73.4	73.5	73.6	73.6	73.6	73.6	73.6	73.6
GE 4500	14.4	70.0	71.8	73.1	73.9	74.2	74.4	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7
GE 4000	14.6	73.9	76.3	77.9	78.8	79.1	79.4	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7
GE 3500	14.7	75.5	78.1	79.9	80.8	81.2	81.5	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.9
GE 3000	14.8	77.5	80.3	82.3	83.5	83.9	84.2	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.7
GE 2500	14.8	78.1	81.2	83.2	84.6	85.0	85.3	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.8
GE 2000	14.8	79.0	82.3	84.4	85.9	86.4	86.8	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.3
GE 1800	14.8	79.1	82.6	84.7	86.2	86.7	87.1	87.4	87.4	87.5	87.6	87.6	87.6	87.6	87.6
GE 1500	14.8	79.6	83.2	85.4	87.1	87.6	88.1	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.6
GE 1200	14.8	80.1	84.0	86.4	88.0	88.6	89.1	89.3	89.3	89.4	89.6	89.6	89.6	89.6	89.6
GE 1000	14.8	80.5	84.6	87.1	89.0	89.5	90.1	90.3	90.4	90.5	90.7	90.7	90.7	90.7	90.7
GE 900	14.9	80.9	85.0	87.6	89.5	90.1	90.7	91.0	91.0	91.1	91.3	91.3	91.3	91.3	91.3
GE 800	14.9	81.1	85.4	88.2	90.2	90.8	91.4	91.7	91.7	91.9	92.1	92.1	92.1	92.2	92.2
GE 700	14.9	81.4	85.8	88.8	91.0	91.6	92.3	92.7	92.8	93.1	93.1	93.1	93.1	93.1	93.2
GE 600	14.9	81.5	86.0	89.0	91.4	92.0	92.8	93.2	93.3	93.4	93.7	93.7	93.7	93.7	93.8
GE 500	14.9	81.7	86.4	89.8	92.6	93.3	94.2	94.9	95.0	95.2	95.5	95.6	95.6	95.6	95.7
GE 400	14.9	81.7	86.4	90.0	92.9	93.8	94.8	95.6	95.7	96.0	96.3	96.5	96.5	96.5	96.6
GE 300	14.9	81.7	86.5	90.1	93.2	94.0	95.3	96.4	96.5	97.1	97.4	97.6	97.7	97.7	97.8
GE 200	14.9	81.7	86.5	90.2	93.3	94.2	95.6	96.8	97.0	97.7	98.2	98.5	98.6	98.7	98.7
GE 100	14.9	81.7	86.5	90.2	93.3	94.3	95.7	96.9	97.1	97.9	98.5	99.0	99.2	99.4	99.8
GE 0	14.9	81.7	86.5	90.2	93.3	94.3	95.7	96.9	97.1	97.9	98.5	99.0	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-86
MONTH: ALL HOURS(LEST): ALL

CEILING VISIBILITY IN STATUTE MILES

IN	1	GE	10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	7.0	46.2	48.6	50.1	51.0	51.3	51.5	51.7	51.7	51.7	51.8	51.8	51.8	51.9	51.9	51.9	51.9
GE 20000	7.5	52.5	55.5	57.3	58.4	58.7	59.0	59.2	59.2	59.2	59.3	59.3	59.3	59.4	59.4	59.4	59.4
GE 18000	7.5	52.7	55.7	57.5	58.6	59.0	59.2	59.4	59.4	59.4	59.5	59.5	59.6	59.6	59.6	59.6	59.7
GE 16000	7.5	52.9	55.8	57.7	58.8	59.1	59.4	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.8	59.8
GE 14000	7.6	53.4	56.4	58.3	59.4	59.7	60.0	60.2	60.2	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.4
GE 12000	7.7	54.5	57.6	59.6	60.7	61.0	61.3	61.5	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.8	61.8
GE 10000	7.9	58.1	61.5	63.7	65.0	65.4	65.7	65.9	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.2	66.2
GE 9000	8.0	58.8	62.3	64.5	65.8	66.2	66.5	66.7	66.8	66.8	66.9	66.9	66.9	66.9	66.9	67.0	67.0
GE 8000	8.1	61.6	65.4	67.9	69.3	69.7	70.1	70.3	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.6	70.6
GE 7000	8.2	62.7	66.7	69.2	70.7	71.1	71.5	71.7	71.7	71.7	71.8	71.9	71.9	71.9	71.9	71.9	72.0
GE 6000	8.2	63.5	67.5	70.1	71.6	72.0	72.4	72.6	72.7	72.7	72.8	72.8	72.8	72.9	72.9	72.9	72.9
GE 5000	8.3	65.6	69.9	72.6	74.2	74.7	75.1	75.3	75.3	75.3	75.5	75.5	75.5	75.5	75.6	75.6	75.6
GE 4500	8.4	66.6	71.0	73.7	75.4	75.8	76.2	76.5	76.5	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.8
GE 4000	8.5	70.3	75.1	78.3	80.1	80.6	81.1	81.4	81.4	81.4	81.5	81.6	81.6	81.6	81.6	81.7	81.7
GE 3500	8.6	71.7	76.7	79.9	81.9	82.4	82.9	83.1	83.2	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.5
GE 3000	8.6	73.2	78.4	81.8	83.9	84.5	85.0	85.3	85.4	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.7
GE 2500	8.7	75.0	79.3	82.9	85.1	85.7	86.3	86.6	86.6	86.6	86.8	86.8	86.8	86.9	86.9	86.9	86.9
GE 2000	8.7	74.8	80.3	84.0	86.4	87.0	87.6	87.9	88.0	88.0	88.2	88.2	88.2	88.3	88.3	88.3	88.3
GE 1800	8.7	74.9	80.5	84.3	86.7	87.3	87.9	88.3	88.3	88.3	88.5	88.6	88.6	88.6	88.6	88.7	88.7
GE 1500	8.7	75.4	81.1	85.1	87.6	88.2	88.9	89.3	89.3	89.3	89.5	89.6	89.6	89.7	89.7	89.7	89.7
GE 1200	8.7	75.9	81.9	86.0	88.6	89.3	90.1	90.5	90.5	90.5	90.7	90.8	90.8	90.9	90.9	90.9	91.0
GE 1000	8.7	76.3	82.4	86.7	89.6	90.3	91.1	91.5	91.6	91.6	91.8	92.0	92.0	92.0	92.0	92.1	92.1
GE 900	8.7	76.5	82.7	87.0	90.0	90.8	91.6	92.0	92.1	92.1	92.3	92.5	92.5	92.5	92.6	92.6	92.6
GE 800	8.7	76.7	83.0	87.5	90.7	91.5	92.4	92.9	93.0	93.0	93.3	93.4	93.4	93.5	93.5	93.5	93.5
GE 700	8.7	76.9	83.2	87.9	91.2	92.1	93.1	93.6	93.7	93.7	94.0	94.1	94.1	94.2	94.2	94.2	94.3
GE 600	8.7	76.9	83.3	88.1	91.5	92.4	93.4	94.0	94.0	94.0	94.4	94.5	94.5	94.6	94.6	94.7	94.7
GE 500	8.7	77.1	83.6	88.5	92.3	93.3	94.6	95.3	95.4	95.4	95.8	96.0	96.0	96.1	96.1	96.2	96.2
GE 400	8.7	77.1	83.7	88.7	92.7	93.8	95.2	96.0	96.2	96.2	96.7	96.9	96.9	97.0	97.1	97.1	97.2
GE 300	8.7	77.2	83.8	88.8	92.9	94.1	95.6	96.6	96.8	97.4	97.7	97.9	97.9	98.0	98.1	98.1	98.1
GE 200	8.7	77.2	83.8	88.9	93.0	94.2	95.8	96.9	97.1	97.8	98.2	98.3	98.6	98.7	98.8	98.8	98.9
GE 100	8.7	77.2	83.8	88.9	93.0	94.2	95.9	96.9	97.2	97.9	98.4	98.4	98.8	99.0	99.3	99.3	99.7
GE 0	8.7	77.2	83.8	88.9	93.0	94.2	95.9	96.9	97.2	97.9	98.4	98.4	98.8	99.0	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 87642

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED,
BROKEN, OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE
TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: JAN

HOURS	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
(LST)													
00-02	31.6			16.0						12.3	40.1	5.6	930
03-05	27.5			16.5						13.4	42.6	6.0	930
06-08	14.6			25.4						21.2	38.8	6.5	930
09-11	8.5			30.4						22.7	38.4	6.8	930
12-14	6.0			30.4						25.2	38.4	7.0	930
15-17	6.8			32.0						23.5	37.6	6.8	930
18-20	18.6			28.1						15.4	38.0	6.0	930
21-23	27.0			20.0						18.3	38.7	5.8	930
TOTALS	17.6			24.9						18.5	39.1	6.3	7940

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: FEB

HOURS	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
(LST)													
00-02	32.5			16.8						10.8	39.9	5.5	844
03-05	28.1			18.2						12.1	41.5	5.8	840
06-08	15.5			29.5						16.4	38.6	6.2	843
09-11	12.0			27.8						20.8	39.5	6.7	843
12-14	10.4			25.5						23.9	40.2	6.9	844
15-17	11.0			27.5						19.4	42.1	6.8	846
18-20	17.2			27.3						18.1	41.4	6.2	845
21-23	29.5			20.8						10.3	39.4	5.5	842
TOTALS	19.5			24.2						16.0	40.3	6.2	6747

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: MAR

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	34.4			15.6						11.8	38.1	5.3	929
03-05	33.9			15.8						11.5	38.8	5.4	929
06-08	13.9		29.1							19.3	37.8	6.4	929
09-11	11.5		28.3							21.2	39.0	6.7	929
12-14	8.5		28.9							23.9	38.7	6.9	930
15-17	8.3		31.2							25.1	35.5	6.7	930
18-20	16.5		26.1							22.4	35.1	6.3	930
21-23	31.0		17.0							14.2	37.8	5.6	930
TOTALS	19.8		24.0							18.7	37.6	6.2	7436

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: APR

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	31.0			19.2						14.4	35.5	5.4	898
03-05	26.0			22.9						15.5	35.7	5.6	897
06-08	15.0			25.6						23.8	35.5	6.5	898
09-11	10.3		31.5							21.7	36.5	6.5	899
12-14	7.8		31.4							24.9	35.9	6.8	897
15-17	8.3		29.0							29.6	31.0	6.8	899
18-20	12.5		28.9							22.5	36.1	6.5	897
21-23	24.5		22.6							16.7	36.2	5.8	898
TOTALS	16.9		26.4							21.1	35.6	6.2	7183

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 77-86
MONTH: MAY

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	27.0			19.3						15.5	38.2	5.8	923
03-05	18.5			26.3						18.3	36.9	6.1	924
06-08	12.9			26.9						26.8	33.4	6.6	925
09-11	8.4			28.5						29.6	33.5	6.9	930
12-14	3.6			29.2						34.1	33.2	7.3	929
15-17	3.2			34.4						29.7	32.7	7.0	930
18-20	6.2			32.5						28.3	33.0	6.8	930
21-23	20.0			24.8						20.3	34.9	6.1	929
TOTALS	12.5			27.7						25.3	34.5	6.6	7420

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 77-86
MONTH: JUN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	31.9			21.4						17.9	28.8	5.1	888
03-05	17.9			29.3						25.9	26.8	5.9	887
06-08	12.5			32.3						25.2	30.0	6.7	886
09-11	8.6			37.1						27.2	27.1	6.3	894
12-14	3.3			37.9						32.7	26.1	6.7	900
15-17	3.3			37.4						32.4	26.8	6.7	894
18-20	7.6			32.7						31.8	28.0	6.6	894
21-23	20.5			34.2						20.7	24.5	5.3	888
TOTALS	13.2			32.8						26.7	27.3	6.1	7135

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
MONTH: JUL

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	22.9			25.6						20.5	31.0	5.7	918
03-05	15.8			32.0						25.4	26.8	5.9	912
06-08	10.2			37.1						26.2	26.5	6.1	910
09-11	7.6			40.4						28.2	23.8	6.1	925
12-14	1.3			38.8						34.1	25.8	6.8	929
15-17	3.3			39.2						32.0	25.4	6.6	928
18-20	6.8			36.8						29.8	26.6	6.4	927
21-23	24.5			25.1						21.5	28.9	5.6	924
TOTALS	11.6			34.4						27.2	26.9	6.2	7373

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-85
MONTH: AUG

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	26.9			22.0						20.4	30.7	5.6	906
03-05	21.6			26.8						22.2	29.3	5.7	910
06-08	12.6			32.7						30.6	24.1	6.1	905
09-11	11.4			36.3						31.3	21.0	6.0	923
12-14	4.1			41.9						32.1	21.9	6.3	927
15-17	4.5			42.9						33.7	18.9	6.2	927
18-20	7.3			41.4						29.0	22.3	6.1	920
21-23	24.9			25.5						22.2	27.4	5.5	916
TOTALS	14.2			33.7						27.7	24.5	5.9	7334

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: SEP

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	37.0			22.7						15.5	24.8	4.6	890
03-05	35.7			24.1						16.7	23.5	4.6	874
06-08	14.3			36.2						25.1	24.4	5.8	887
09-11	12.6			37.3						25.6	24.4	5.9	897
12-14	6.2			41.4						30.3	22.0	6.2	898
15-17	6.9			41.3						28.7	23.1	6.1	898
18-20	16.7			33.3						26.4	23.6	5.7	894
21-23	29.4			26.5						18.3	25.7	5.0	894
TOTALS	19.9			32.9						23.3	23.9	5.5	7132

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: OCT

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	34.6			14.5						15.1	35.9	5.4	923
03-05	33.5			16.7						13.6	36.2	5.3	926
06-08	10.9			33.6						24.8	30.8	6.3	921
09-11	9.5			34.7						27.8	28.0	6.3	928
12-14	6.4			34.5						30.5	28.6	6.6	927
15-17	8.2			34.0						29.4	28.5	6.5	930
18-20	19.2			29.8						20.6	30.3	5.8	926
21-23	31.1			17.9						18.9	32.1	5.5	921
TOTALS	19.2			27.0						22.6	31.3	6.0	7402

GLOBAL CLIMATOLOGY BRANCH
USAFECIAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTHS: NOV

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
(LST)													
00-02	33.6			17.4						11.6	37.4	5.3	893
03-05	32.2			17.8						12.3	37.7	5.4	892
06-08	12.9			28.5						24.7	33.9	6.5	889
09-11	11.3			26.7						27.8	34.3	6.7	896
12-14	8.6			29.7						28.8	33.0	6.8	900
15-17	7.8			31.0						29.0	32.2	6.8	900
18-20	21.3			19.7						20.9	38.1	6.3	898
21-23	28.5			17.6						14.6	39.3	5.8	892
TOTALS	19.5			23.6						21.2	35.7	6.2	7160

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 76-85
MONTH: DEC

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL
(LST)													OBS
00-02	33.8			16.3						13.0	36.9	5.4	929
03-05	31.5			18.6						14.1	35.9	5.4	925
06-08	14.8			28.9						22.0	34.4	6.3	928
09-11	8.4			27.8						29.0	34.8	6.9	928
12-14	8.0			31.7						24.2	36.1	6.7	930
15-17	7.4			32.4						26.6	33.6	6.7	929
18-20	20.5			23.3						17.9	38.4	6.1	929
21-23	29.7			15.7						16.4	38.2	5.8	929
TOTALS	19.3			24.3						20.4	36.0	6.2	7427

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 76-86
MONTH: ALL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
JAN ALL	17.6			24.9						18.5	39.1	6.3	7440
FEB	19.5			24.2						16.0	40.3	6.2	6747
MAR	19.8			24.0						18.7	37.6	6.2	7436
APR	16.9			26.4						21.1	35.6	6.2	7183
MAY	12.5			27.7						25.3	34.5	6.6	7420
JUN	13.2			32.8						26.7	27.3	6.1	7135
JUL	11.6			34.4						27.2	26.9	6.2	7373
AUG	14.2			33.7						27.7	24.5	5.9	7334
SEP	19.9			32.9						23.3	23.9	5.5	7132
OCT	19.2			27.0						22.6	31.3	6.0	7402
NOV	19.5			23.6						21.2	35.7	6.2	7160
DEC	19.3			24.3						20.4	36.0	6.2	7427
TOTALS	16.9			28.0						22.4	32.7	6.1	87189

U S AIR FORCE
ENVIRONMENTAL TECHNICAL,
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follow:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

* Values for means and standard deviations do not include incomplete months for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

These tables have been temporarily discontinued for the Russwo pending the advent of RUSSWO-2 in mid 1986.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
7247RP
DOVER AFB DE

DAILY TEMPERATURES

42-46, 49-86

STATION NAME

YEARS

PERCENTAGE

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
100					.1	.6	.1	.1					.1
95					.2	1.1	4.3	2.2	.7				.8
90				.1	1.9	12.9	22.3	15.0	6.1	.1			4.9
85			.2	2.0	8.4	33.3	50.1	40.3	17.4	1.4			12.9
80			1.0	6.2	20.2	50.7	79.9	70.7	36.4	5.4	.5		23.3
75		.2	3.2	13.6	39.4	75.6	96.1	93.7	59.4	15.9	2.3		32.6
70	.3	1.2	7.2	23.3	59.2	91.7	99.7	99.0	62.9	35.2	7.3	1.3	42.6
65	2.2	4.0	13.2	36.2	76.7	98.5	100.0	100.0	94.5	57.8	17.5	4.0	50.0
60	5.5	7.7	22.5	57.1	92.1	99.0			99.0	77.8	34.9	9.8	59.0
55	11.4	16.5	35.7	77.2	98.5	100.0			99.7	91.6	53.6	18.2	67.0
50	17.9	26.7	52.7	91.2	99.9				100.0	97.7	70.4	29.8	74.0
45	30.5	40.0	72.8	98.2	100.0					99.6	80.5	47.7	81.4
40	49.8	59.5	87.8	99.7						100.0	96.2	67.6	98.4
35	68.8	79.4	96.0	100.0							99.3	83.1	93.9
30	85.1	91.0	98.8								99.9	93.3	97.3
25	94.1	96.7	99.8								100.0	98.9	99.1
20	98.1	99.0	99.9									99.7	99.7
15	99.6	99.7	100.0									99.9	99.9
10	100.0	100.0										100.0	100.0
MEAN	40.1	43.0	51.8	62.2	71.0	76.5	84.6	83.0	76.0	66.1	55.4	44.7	53.3
S.D.	10.790	13.981	16.947	19.077	20.790	22.667	25.902	28.843	31.746	34.340	36.577	38.431	40.316
TOTAL OBS	1260	1129	1243	1280	1240	1200	1229	1250	1190	1209	1173	1279	1436

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
724088 DOVER AFB DE
STATION NAME

DAILY TEMPERATURES

42-46, 49-86
YEARS

MINIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
80						.1	.3						.0
75						1.7	7.6	4.7	.9				1.3
70					.7	14.7	40.5	34.0	10.2	.3			6.5
65				.5	6.6	42.4	72.8	66.8	29.4	3.1	.2		18.7
60			.4	3.3	23.6	75.0	94.4	87.3	50.5	15.4	1.5		24.7
55	.1	.1	1.1	8.8	46.1	90.2	99.4	97.3	74.0	24.2	5.4	.5	37.6
50	.5	.6	3.1	21.8	71.0	98.7	100.0	99.9	90.8	44.7	12.6	1.7	45.7
45	1.3	2.7	9.8	45.2	90.3	99.8		100.0	97.9	67.5	24.6	5.2	63.9
40	5.2	7.6	26.4	59.7	98.4	100.0			99.8	85.6	42.6	13.1	62.6
35	14.3	20.2	51.4	88.7	99.8				100.0	96.0	65.9	28.9	72.3
33	21.1	29.0	61.5	93.9	100.0					97.8	74.6	37.0	76.4
30	33.9	42.8	76.5	97.7						99.3	97.0	50.9	82.4
25	57.0	65.9	91.5	99.7						99.9	97.0	72.7	95.4
27	75.9	82.2	97.4	100.0						100.0	99.7	87.0	95.2
15	89.5	93.2	99.1								99.9	95.5	98.1
17	95.7	97.9	99.9								100.0	99.3	99.4
5	98.9	99.5	100.0									99.7	99.3
3	99.8	100.0										99.9	100.0
-5	100.0											100.0	100.0
MEAN	25.6	27.0	34.8	43.8	53.8	62.8	67.7	66.4	59.7	46.5	38.8	29.7	62.6
S D	5.360	4.637	7.789	7.644	7.159	6.192	4.957	5.619	7.519	6.316	5.648	9.017	16.651
TOTAL OBS	1240	1129	1240	1270	1240	1200	1229	1257	1100	1209	1170	1219	14176

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
724088 DOVER AFB DE

DAILY TEMPERATURES

STATION NAME
42-46, 49-86 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
90						.1	.2						.0
85					.1	1.2	3.8	2.0	.3				.6
80					.5	12.7	27.9	20.0	7.1	.1			5.3
75				.5	6.7	35.6	63.1	54.5	21.1	1.6			13.5
70			.4	3.9	20.3	62.8	92.0	84.0	44.2	5.0	.7		26.4
65		.1	1.5	9.7	41.2	85.0	99.8	97.4	69.4	16.5	2.5	.1	75.7
60		.6	4.1	21.6	66.7	98.2	100.0	99.8	89.5	41.8	7.8	1.4	44.5
55	1.4	2.7	11.7	39.7	85.9	99.7		100.0	98.0	64.6	71.3	3.7	62.7
50	4.7	6.4	23.4	66.7	97.7	100.0			99.7	84.4	39.6	10.7	61.3
45	11.5	17.0	41.0	86.2	100.0				100.0	95.5	59.0	22.0	59.5
40	22.9	32.3	68.0	96.7						99.1	81.6	39.1	76.4
35	42.9	54.3	86.0	99.7						100.0	95.1	61.3	86.7
30	64.7	74.6	95.2	100.0							99.1	81.0	92.9
25	82.7	88.9	98.7								99.6	91.5	96.8
20	93.0	96.1	99.7								100.0	97.9	96.9
15	97.7	96.8	100.0									99.5	99.7
10	99.7	99.6										99.6	99.9
5	99.9	100.0										100.0	100.0
0	100.0												100.0
MEAN	33.1	35.9	43.4	53.3	63.6	71.9	76.3	74.4	68.4	57.5	47.3	37.4	55.2
S.D.	9.324	9.223	8.771	8.183	7.320	6.378	4.869	5.201	7.080	7.665	8.595	9.283	17.357
TOTAL OBS.	1240	1129	1245	1200	1241	1200	1229	1255	1190	1279	1170	1279	14536

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 42-86, 49-86

WHOLE DEGREES FAHRENHEIT

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42													60
43	64	69	80	78	93	97	94	96	97	78	73	73	97
44	67	65	67	79	88	95	95	95	93	84	70	57	95
45	60	64	87	87	86	97	97	94	91	81	78	56	97
46	66	72	80	81	86	92	94	91	91				
49						*100		95					
50								92	89	79	83	70	
51	67	76	70	84	87	90	93	93	89	87	72	72	93
52	67	58	73	85	83	99	97	89	92	82	70	62	99
53	68	67	66	84	84	90	97	100	95	79	75	67	100
54	67	73	71	83	84	95	99	95	91	89	66	66	99
55	59	61	77	78	91	90	98	98	86	84	76	65	98
56	60	62	68	83	93	93	95	92	90	77	72	72	95
57	65	65	74	87	89	95	101	95	94	74	74	64	101
58	60	59	54	83	85	92	93	90	90	85	71	60	93
59	68	62	71	85	91	98	92	93	90	91	78	61	98
60	59	67	78	89	83	91	91	92	88	81	71	63	92
61	53	72	75	87	83	91	92	90	92	79	80	60	92
62	63	64	76	86	93	92	93	96	93	86	62	62	96
63	58	59	80	84	90	94	95	92	87	81	69	53	95
64	65	56	77	82	89	97	96	92	93	76	73	72	97
65	63	*67	64	79	97	100	95	93	91	81	74	64	100
66	66	59	74	77	85	97	101	92	92	77	72	74	101
67	72	56	75	82	85	91	90	91	82	84	67	63	91
68	57	56	77	75	83	92	94	96	90	87	75	65	96
69	58	47	68	86	91	95	93	88	87	81	67	61	95
70	63	60	73	77	87	92	90	91	96	84	66	66	96
71	60	67	74	77	80	92	95	91	85	77	78	68	95
72	65	70	77	83	84	89	95	94	91	76	72	69	95
73	65	61	70	86	86	95	92	96	94	84	77	69	96

NOTES * (BASED ON LESS THAN FULL MONTHS)
AT LEAST ONE DAY LESS THAN 24 OBS

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJ

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 42-86, 49-86

WHOLE DEGREES FAHRENHEIT

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
74	72	67	74	88	90	92	94	90	88	80	82	61	94
75	70	74	73	79	84	91	91	95	85	85	75	65	95
76	69	74	79	88	85	92	89	89	87	76	67	59	92
77	50	72	80	85	95	91	101	99	93	81	72	60	101
78	63	46	72	81	90	93	98	91	89	82	70	72	98
79	61	52	80	78	88	87	92	94	86	83	72	67	94
80	58	59	63	73	88	89	99	97	95	76	69	69	99
81	50	66	72	82	85	91	95	90	85	79	69	62	95
82	65	60	66	78	86	86	93	88	87	83	80	72	93
83	58	58	69	80	85	90	96	97	95	83	68	60	97
84	57	66	64	75	87	92	93	89	92	82	68	72	93
85	64	75	77	90	85	90	94	93	92	86	74	64	94
86	65	60	80	75	92	93							
MEAN	62.7	63.7	73.1	82.0	87.4	92.7	94.7	93.0	90.3	81.5	72.5	64.8	95.8
S.D.	5.269	7.214	6.207	4.388	3.781	3.148	3.038	3.061	3.539	3.939	4.729	5.091	2.684
TOTAL OBS	1240	1129	1240	1200	1240	1200	1229	1250	1190	1209	1170	1239	14536

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

EXTREME VALUES OF MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 72N088 STATION NAME: DOVER AFB DE

PERIOD OF RECORD: 42-46, 49-86

WHOLE DEGREES FAHRENHEIT
-N-0-N-Y-N-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
43	16	5	10	21	33	56	52	51	40	39	26	14	5
44	15	18	19	28	45	48	57	52	47	32	28	14	14
45	7	16	29	31	41	43	53	53	50	34	23	9	7
46	4	16	27	31	39	48	54	51	*47				
49						*64	*55						
50								*58	42	35	20	12	
51	18	10	25	32	45	52	58	51	42	42	21	11	10
52	12	22	26	33	42	54	53	51	*46	24	24	17	12
53	23	17	23	33	47	50	57	56	44	36	28	14	14
54	11	13	22	28	41	49	58	57	47	35	26	16	11
55	9	4	21	34	43	50	62	59	49	35	14	12	4
56	17	20	20	30	36	50	58	56	39	35	20	21	17
57	2	23	26	32	36	52	57	54	42	33	27	14	2
58	11	4	27	32	45	50	62	56	43	39	19	10	4
59	12	13	23	34	43	50	59	57	41	34	22	15	12
60	20	19	9	29	38	53	59	61	52	34	25	9	9
61	4	1	22	33	38	53	57	52	45	35	26	14	1
62	9	0	14	30	39	56	53	58	40	32	28	8	0
63	7	10	27	34	38	53	57	53	39	39	29	11	7
64	5	19	24	28	42	48	61	50	47	32	22	16	5
65	4	*11	19	28	47	55	61	50	48	28	21	15	4
66	3	10	23	32	34	45	55	59	45	29	28	15	3
67	16	8	14	29	42	43	55	60	44	32	21	12	8
68	5	9	19	29	39	52	59	53	47	32	29	12	5
69	14	19	22	29	42	53	60	55	45	27	21	18	14
70	3	10	23	29	35	52	61	60	44	37	20	18	3
71	9	5	24	30	41	54	55	55	48	44	26	20	5
72	6	14	22	27	43	45	56	53	52	32	25	21	6
73	15	8	24	33	42	59	58	56	51	38	27	15	8

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

STATION NUMBER: 724088 STATION NAME: DOVER AFB DE PERIOD OF RECORD: 42-86, 49-86

WHOLE DEGREES FAHRENHEIT

W-O-N-T-M-J J A S O N D

ALL MONTHS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MONTHS
74	18	15	24	32	40	52	58	54	41	31	20	24	15
75	18	17	20	30	46	54	57	60	47	28	30	18	17
76	8	12	23	29	41	52	58	53	46	29	19	15	8
77	4	14	30	29	43	49	59	55	51	37	29	16	4
78	12	11	14	35	41	54	58	65	45	38	27	19	11
79	13	1	23	32	46	53	56	55	47	33	26	23	1
80	18	13	12	32	41	51	57	60	46	35	27	10	10
81	5	13	23	33	38	56	56	50	46	32	26	17	5
82	-3	17	24	22	45	55	57	48	51	35	27	16	-3
83	17	15	28	35	40	54	58	55	42	36	32	3	3
84	3	21	18	34	41	49	58	52	46	44	21	25	3
85	-5	17	23	29	42	52	61	58	47	36	35	14	-5
86	11	16	13	36	38	49							

MEAN	9.9	12.7	21.5	30.7	41.0	51.3	57.4	55.0	45.5	34.3	24.7	14.9	6.8
S.D.	6.504	6.023	5.114	3.141	3.456	3.533	2.500	3.752	3.622	4.336	4.222	4.548	5.326
TOTAL OBS	1240	1129	1240	1200	1240	1200	1229	1250	1190	1209	1170	1239	14536

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

724088 DOVER AFB DE

76-86

HRS. (L.S.T.)	STATION NAME												ANNUAL
	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	
00-02	MEAN	29.3	32.1	40.3	49.3	58.9	71.0	70.0	63.5	53.1	45.4	36.8	51.4
	S.D.	9.800	9.685	9.234	7.734	7.372	5.065	5.413	6.990	8.335	9.092	10.385	16.255
	TOTAL OBS	930	846	930	899	930	930	930	900	930	900	930	10955
03-05	MEAN	28.5	31.1	39.1	47.8	57.5	69.6	68.9	62.2	52.1	44.4	35.9	50.2
	S.D.	9.867	9.788	9.210	7.713	7.571	5.281	5.731	7.470	8.616	9.204	10.552	16.194
	TOTAL OBS	930	846	930	900	930	930	930	900	930	900	930	10956
06-08	MEAN	28.1	30.6	39.5	49.7	60.5	72.9	71.3	63.9	53.0	44.2	35.5	51.6
	S.D.	9.822	9.901	9.316	8.074	7.540	5.420	5.874	7.519	8.580	9.292	10.649	17.394
	TOTAL OBS	930	846	930	900	930	930	930	900	930	900	930	10955
09-11	MEAN	31.7	35.3	45.2	56.3	67.1	79.4	78.3	71.4	60.0	50.0	39.7	57.5
	S.D.	9.524	9.958	10.180	9.073	8.376	6.065	5.931	7.366	8.146	8.994	10.317	18.348
	TOTAL OBS	930	846	929	900	930	930	930	900	930	900	930	10955
12-14	MEAN	34.6	38.9	49.1	59.8	70.4	82.5	81.6	74.8	63.6	53.7	43.1	60.9
	S.D.	9.586	10.280	10.788	9.669	9.104	6.368	6.176	7.721	8.591	9.258	10.594	18.432
	TOTAL OBS	930	846	930	899	930	930	930	900	930	900	930	10955
15-17	MEAN	34.6	38.8	49.5	59.8	70.2	82.2	80.8	74.0	62.2	52.3	42.0	60.4
	S.D.	9.252	9.995	10.647	9.493	9.135	6.324	6.057	7.465	8.134	8.928	10.224	18.305
	TOTAL OBS	930	846	930	900	929	930	930	900	930	900	930	10955
18-20	MEAN	31.8	35.4	45.2	55.5	65.4	77.7	75.8	68.3	57.0	48.2	38.8	56.1
	S.D.	8.898	9.281	9.277	8.760	8.240	5.785	5.695	6.799	7.666	8.273	9.851	17.456
	TOTAL OBS	928	846	930	899	929	930	930	900	930	900	930	10950
21-23	MEAN	30.2	33.5	42.5	51.6	61.2	73.0	71.7	65.0	54.4	46.4	37.6	53.0
	S.D.	9.221	9.280	8.934	7.828	7.483	4.960	5.216	6.612	7.758	8.751	9.996	16.367
	TOTAL OBS	930	846	930	900	930	930	930	900	930	900	930	10950
ALL HOURS	MEAN	31.1	34.5	43.8	53.7	63.9	76.0	74.8	67.9	56.9	48.1	38.7	55.2
	S.D.	9.800	10.228	10.460	9.663	9.404	7.389	7.431	8.623	9.243	9.588	10.644	17.808
	TOTAL OBS	7438	6768	7439	7197	7438	7440	7440	7200	7440	7200	7440	87631

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

724088 DOVER AFB DE

76-86

HRS. (L.S.T.)	STATION NAME												ANNUAL
	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	
00-02	26.6 9.889 930	29.3 9.743 846	36.5 8.951 930	44.7 7.761 899	54.9 7.746 930	61.4 6.222 900	67.0 5.283 930	66.7 5.921 930	59.9 7.454 900	49.6 8.942 930	42.1 9.656 882	33.4 10.503 930	47.6 16.110 10937
03-05	25.9 9.939 930	28.7 9.918 846	35.7 9.065 930	43.8 7.930 900	54.1 8.067 930	60.7 6.441 900	66.3 5.559 930	66.1 6.205 930	59.1 7.934 900	49.9 9.242 930	41.2 9.686 882	32.8 10.648 930	47.0 16.207 10938
06-08	25.6 9.879 930	28.3 10.107 846	36.0 9.169 930	45.3 8.057 900	56.2 7.804 930	63.1 6.147 899	68.2 5.340 930	67.6 6.064 930	60.3 7.771 900	49.7 9.172 930	41.3 9.722 879	32.5 10.763 930	48.0 16.919 10934
09-11	28.2 9.435 930	31.5 9.891 846	39.6 9.351 929	49.0 8.091 899	59.4 7.796 930	65.7 6.245 900	70.5 5.338 930	70.6 5.717 930	63.8 7.206 900	53.7 8.634 930	45.2 9.234 883	35.4 10.464 928	51.2 16.724 10935
12-14	30.3 9.260 930	33.7 9.623 846	41.8 9.277 930	50.7 8.015 898	60.7 7.627 930	66.6 6.249 900	71.3 5.276 929	71.4 5.659 929	64.6 7.035 899	55.0 8.581 930	46.9 9.127 884	37.4 10.386 930	52.6 16.205 10935
15-17	30.2 9.136 930	33.7 9.365 846	41.9 8.990 930	50.4 7.613 897	60.3 7.389 929	66.3 6.007 900	71.1 5.117 930	70.9 5.433 930	64.2 6.860 899	54.2 8.361 930	46.0 9.055 882	36.6 10.172 930	52.3 16.066 10933
18-20	28.3 9.000 928	31.6 9.268 846	39.6 8.601 930	48.2 7.627 899	58.2 7.316 929	64.6 5.836 897	69.6 5.023 930	69.2 5.531 930	62.0 6.913 900	51.6 8.430 930	43.7 9.016 882	34.7 10.091 930	50.2 16.110 10931
21-23	27.2 9.271 930	30.4 9.339 846	38.0 8.674 930	46.2 7.619 900	56.3 7.461 930	62.5 5.934 894	67.9 5.041 930	67.5 5.697 930	60.5 6.996 900	50.3 8.452 930	42.7 9.480 882	34.0 10.219 930	48.7 15.962 10932
ALL HOURS	27.8 9.626 7438	30.9 9.856 6768	38.6 9.308 7439	47.3 8.218 7192	57.5 7.999 7438	63.9 6.491 7190	69.0 5.542 7439	68.7 6.093 7439	61.8 7.555 7198	51.6 9.002 7440	43.6 9.587 7056	34.6 10.537 7438	49.7 16.414 87475

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

724088 DOVER AFB DE

76-86

HRS. (U.S.T.)	STATION NAME												ANNUAL
	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	
00-02	MEAN 19.3 S.D. 13.495 TOTAL OBS 930	22.8 13.196 846	30.3 11.593 930	39.1 10.449 899	51.4 9.583 930	58.2 7.557 900	64.6 6.242 930	64.7 6.913 930	57.1 8.801 900	45.9 10.795 930	37.4 12.165 882	26.8 13.719 930	43.2 18.827 10937
03-05	MEAN 18.8 S.D. 13.434 TOTAL OBS 930	22.5 13.292 846	29.9 11.621 930	38.8 10.370 900	51.1 9.771 930	57.8 7.684 900	64.3 6.452 930	64.3 7.108 930	56.7 9.103 900	45.5 11.015 930	36.9 11.998 882	26.4 13.789 930	42.9 18.883 10938
06-08	MEAN 18.7 S.D. 13.264 TOTAL OBS 930	22.3 13.540 846	30.1 11.815 930	40.1 10.418 900	52.5 9.716 930	59.6 7.605 899	65.5 6.402 930	65.5 6.983 930	57.6 8.966 900	46.1 10.960 930	37.0 11.918 879	26.3 13.889 930	43.6 19.344 10934
09-11	MEAN 19.8 S.D. 13.206 TOTAL OBS 930	23.5 13.821 846	31.3 12.439 929	41.2 10.975 899	53.4 10.391 930	60.0 8.347 900	65.7 7.018 930	66.4 7.306 930	58.6 9.371 900	47.7 11.427 930	39.0 12.066 883	27.8 14.260 928	44.6 19.343 10935
12-14	MEAN 20.6 S.D. 13.174 TOTAL OBS 930	24.0 13.558 846	31.8 12.527 930	41.2 11.155 898	53.4 10.235 930	59.7 8.701 900	65.4 7.276 929	66.0 7.551 929	57.8 9.632 899	46.9 11.954 930	38.7 12.633 884	27.8 14.523 930	44.5 19.148 10935
15-17	MEAN 20.6 S.D. 13.259 TOTAL OBS 930	24.0 13.352 846	31.5 12.480 930	40.4 11.145 897	52.7 10.228 929	59.3 8.422 900	65.1 7.236 930	65.6 7.399 930	57.4 9.556 899	46.4 11.762 930	38.1 12.692 882	27.4 14.423 930	44.2 19.042 10933
18-20	MEAN 20.1 S.D. 12.806 TOTAL OBS 928	23.7 13.199 846	31.2 11.988 930	39.9 11.054 899	52.2 9.896 929	59.0 7.924 897	65.0 6.809 930	65.3 7.064 930	57.5 8.889 900	46.2 11.065 930	37.6 12.237 882	27.1 13.920 930	43.8 18.858 10931
21-23	MEAN 19.5 S.D. 12.928 TOTAL OBS 930	23.4 13.047 846	31.1 11.618 930	39.9 10.577 900	52.2 9.351 930	58.5 7.497 894	64.9 6.198 930	65.0 6.889 930	57.2 8.535 900	46.0 10.567 930	37.5 12.303 882	27.0 13.785 930	43.6 18.725 10932
ALL HOURS	MEAN 19.7 S.D. 13.209 TOTAL OBS 7438	23.3 13.386 6768	30.9 12.028 7439	40.1 10.798 7192	52.4 9.928 7438	59.0 8.006 7190	65.1 6.728 7439	65.4 7.180 7439	57.5 9.125 7198	46.3 11.214 7440	37.8 12.269 7056	27.1 14.044 7438	43.8 19.031 87475

77-86

STATION NAME

PERIOD

JAN

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	99.7	96.9	83.4	62.7	40.4	23.4	8.9	67.1	930
	03-05	100.0	100.0	99.6	97.2	85.2	65.5	43.1	25.8	8.3	68.1	930
	06-08	100.0	100.0	99.7	98.4	87.3	67.2	45.1	25.2	7.5	68.6	930
	09-11	100.0	100.0	99.1	93.1	73.9	50.1	31.2	18.6	6.0	63.0	930
	12-14	100.0	99.9	98.6	84.1	58.6	34.8	25.6	14.8	6.2	57.9	930
	15-17	100.0	100.0	98.5	83.5	59.6	37.7	26.0	17.1	6.8	58.6	930
	18-20	100.0	100.0	99.7	94.2	74.0	50.2	30.7	21.2	8.2	63.5	928
	21-23	100.0	100.0	99.8	96.1	80.4	59.0	35.4	22.7	8.7	65.8	930
TOTALS		100.0	100.0	99.3	92.9	75.3	53.4	34.7	21.1	7.6	64.1	7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

724088 DOVER AFB DE

77-86

FEB

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	97.5	84.8	67.7	44.6	28.6	15.2	69.9	846
	03-05	100.0	100.0	100.0	98.1	87.9	70.8	48.5	30.1	16.3	71.2	846
	06-08	100.0	100.0	100.0	98.6	88.9	73.8	50.4	34.4	16.7	72.2	846
	09-11	100.0	100.0	99.8	91.8	70.8	51.2	34.5	22.9	13.0	64.0	846
	12-14	100.0	100.0	97.9	78.8	54.4	36.3	26.6	18.6	9.2	57.6	846
	15-17	100.0	100.0	97.9	77.3	53.3	37.7	29.1	18.8	9.5	57.9	846
	18-20	100.0	100.0	99.2	92.4	70.7	52.0	36.5	24.3	11.1	64.3	846
	21-23	100.0	100.0	99.9	96.5	80.5	61.8	42.3	28.7	13.7	68.1	846
TOTALS		100.0	100.0	99.3	91.4	73.9	56.4	39.1	25.8	13.1	65.7	6768

DESIGN

MAR
MON

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
MAR	00-02	100.0	100.0	99.8	97.0	85.5	66.6	45.2	27.2	11.2	68.8	930
	03-05	100.0	100.0	100.0	97.8	89.1	71.6	50.0	31.1	12.3	70.9	930
	06-08	100.0	100.0	100.0	98.1	88.3	70.2	49.4	29.4	11.8	70.5	930
	09-11	100.0	100.0	98.4	84.7	63.6	44.1	29.2	18.7	7.9	60.5	929
	12-14	100.0	100.0	93.7	70.3	47.3	31.8	22.6	15.2	4.9	54.2	930
	15-17	100.0	99.5	88.8	66.0	47.3	33.3	24.4	14.3	5.5	53.6	930
	18-20	100.0	100.0	96.0	82.2	64.0	47.2	33.2	19.2	7.0	60.7	930
	21-23	100.0	100.0	99.5	94.0	77.8	58.8	39.7	23.0	7.7	65.9	930
TOTALS		100.0	99.9	97.0	86.3	70.4	53.0	36.7	22.3	8.5	63.1	7439

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

USAFETAC
FORM
JUL 64
0-87-5 (OL A)

AD-A174 643

DOVER AFB DELAWARE REVISED UNIFORM SUMMARY OF SURFACE
WEATHER OBSERVATIONS (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT AFB IL NOV 86
USAFETAC/DS-86/862 P/C 4/2

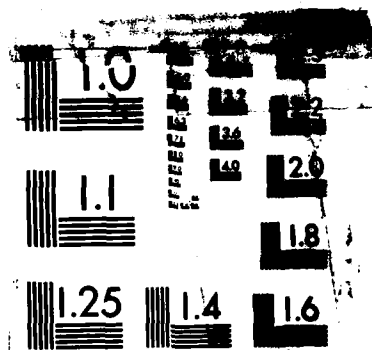
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

RELATIVE HUMIDITY

77-86

STATION NAME

PERIOD

MAY
MON

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	99.2	95.9	86.1	69.5	44.5	16.0	76.9	930
	03-05	100.0	100.0	100.0	99.9	96.8	91.5	77.5	52.3	16.9	79.6	930
	06-08	100.0	100.0	100.0	99.6	94.3	83.0	66.8	43.1	13.5	75.9	930
	09-11	100.0	100.0	99.0	89.7	72.9	55.3	34.8	19.4	4.9	63.4	930
	12-14	100.0	100.0	95.5	79.6	59.5	39.9	25.2	11.5	2.8	57.2	930
	15-17	100.0	99.6	92.1	77.1	58.2	40.0	25.7	12.7	3.4	56.8	929
	18-20	100.0	99.9	97.4	90.3	75.1	57.8	39.6	22.9	7.8	64.9	929
	21-23	100.0	100.0	99.9	98.9	91.7	78.3	59.0	34.8	12.7	73.3	930
TOTALS		100.0	99.9	98.0	91.8	80.6	66.5	49.8	30.2	9.8	68.5	7438

RELATIVE HUMIDITY

77-86

STATION NAME

PERIOD

NUF

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	99.6	98.9	91.2	69.8	40.8	7.3	76.7	900
	03-05	100.0	100.0	100.0	100.0	99.7	95.8	79.8	47.4	11.4	79.2	900
	06-08	100.0	100.0	100.0	99.7	97.2	85.9	63.8	35.6	8.0	74.7	899
	09-11	100.0	100.0	99.7	94.2	77.1	50.6	26.4	12.6	2.7	61.9	900
	12-14	100.0	100.0	98.1	84.7	58.8	33.1	15.8	7.4	1.7	55.7	900
	15-17	100.0	100.0	97.8	80.9	57.9	35.3	18.3	7.6	1.1	55.6	900
	18-20	100.0	100.0	99.3	91.6	76.0	55.3	32.8	14.8	3.0	62.8	897
	21-23	100.0	100.0	100.0	99.4	95.1	80.2	56.2	27.2	5.5	72.0	894
TOTALS		100.0	100.0	99.4	93.6	82.6	65.9	45.4	24.2	5.1	67.3	7190

RELATIVE HUMIDITY

JUL

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.7	96.6	84.5	55.2	12.0	80.5	930
	03-05	100.0	100.0	100.0	100.0	100.0	98.8	89.9	65.4	19.1	83.3	930
	06-08	100.0	100.0	100.0	100.0	99.2	91.7	75.3	48.7	10.9	78.2	930
	09-11	100.0	100.0	99.9	96.9	82.6	58.9	33.2	13.7	2.0	64.3	930
	12-14	100.0	100.0	99.0	90.5	64.6	39.6	18.3	6.1	1.0	57.6	929
	15-17	100.0	100.0	98.8	87.8	65.1	40.2	23.2	9.2	1.2	57.9	930
	18-20	100.0	100.0	100.0	96.1	83.9	62.4	41.0	20.9	3.5	66.3	930
	21-23	100.0	100.0	100.0	100.0	98.6	90.8	71.2	41.0	6.7	76.3	930
TOTALS		100.0	100.0	99.7	96.4	86.7	72.4	54.6	32.5	7.1	70.6	7439

AUG

METHOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	99.7	98.3	91.1	65.4	18.8	83.4	930
	03-05	100.0	100.0	100.0	100.0	99.9	98.9	94.1	76.1	23.2	85.5	930
	06-08	100.0	100.0	100.0	100.0	99.9	97.3	87.3	61.7	15.6	82.2	930
	09-11	100.0	100.0	100.0	99.8	90.3	69.1	41.6	18.0	3.1	67.8	930
	12-14	100.0	100.0	100.0	95.5	73.7	44.9	22.6	8.5	1.1	60.3	929
	15-17	100.0	100.0	99.9	95.9	71.7	48.1	26.1	12.3	2.2	61.2	930
	18-20	100.0	100.0	100.0	99.4	93.7	75.8	51.5	26.6	5.3	71.0	930
	21-23	100.0	100.0	100.0	99.7	99.2	96.3	78.9	50.4	12.5	79.8	930
TOTALS		100.0	100.0	100.0	98.8	91.0	78.6	61.7	39.9	10.2	73.9	7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

935

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	98.2	94.6	83.3	52.2	10.7	79.8	900
	03-05	100.0	100.0	100.0	100.0	99.4	96.8	90.8	59.7	14.9	82.3	900
	06-08	100.0	100.0	100.0	99.9	99.2	94.6	82.7	53.4	13.3	80.2	900
	09-11	100.0	100.0	99.8	96.9	82.4	61.1	36.2	17.3	2.9	65.3	900
	12-14	100.0	100.0	99.1	85.7	59.8	39.3	20.8	10.6	1.4	57.2	899
	15-17	100.0	100.0	98.6	85.2	63.4	40.6	23.2	10.3	2.0	58.0	899
	18-20	100.0	100.0	99.8	97.8	91.1	72.3	47.2	24.4	3.8	69.4	900
	21-23	100.0	100.0	100.0	99.9	97.3	90.7	72.0	38.3	7.1	76.5	900
TOTALS		100.0	100.0	99.7	95.7	86.4	73.8	57.0	33.3	7.0	71.1	7198

RELATIVE HUMIDITY

76-85

STATION NAME

PERIOD

130

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
OCT	00-02	100.0	100.0	100.0	99.9	98.7	92.6	68.7	40.9	12.8	77.1	930
	03-05	100.0	100.0	100.0	100.0	99.0	93.9	74.6	44.3	15.4	78.6	930
	06-08	100.0	100.0	100.0	99.9	98.4	91.6	70.9	45.2	14.0	77.9	930
	09-11	100.0	100.0	100.0	94.9	78.0	57.3	38.9	20.2	4.7	65.2	930
	12-14	100.0	100.0	97.8	79.9	57.2	38.1	23.7	11.4	1.8	56.8	930
	15-17	100.0	100.0	98.0	83.0	60.6	43.9	26.7	11.8	2.0	58.3	930
	18-20	100.0	100.0	100.0	99.0	87.7	68.4	43.8	24.3	4.9	68.3	930
	21-23	100.0	100.0	100.0	100.0	97.6	85.6	59.2	32.8	9.2	74.1	930
TOTALS		100.0	100.0	99.5	94.6	84.7	71.4	50.8	28.9	8.1	69.5	7440

RELATIVE HUMIDITY

NOV
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
NOV	00-02	100.0	100.0	100.0	99.4	94.7	79.8	58.4	38.4	13.6	74.2	882
	03-05	100.0	100.0	100.0	99.5	95.2	84.1	61.9	41.0	14.4	75.4	882
	06-08	100.0	100.0	100.0	99.7	96.0	86.1	63.4	42.3	16.8	76.2	879
	09-11	100.0	100.0	100.0	96.4	79.8	58.9	43.0	27.4	6.9	67.1	883
	12-14	100.0	100.0	97.7	83.5	59.0	41.0	29.6	17.4	5.0	58.9	884
	15-17	100.0	100.0	97.6	84.9	62.6	44.7	32.3	19.5	5.4	60.5	882
	18-20	100.0	100.0	99.9	97.2	82.2	61.2	43.8	28.8	8.8	68.0	882
	21-23	100.0	100.0	99.8	99.2	91.2	72.0	53.9	33.4	12.6	72.0	882
TOTALS		100.0	100.0	99.4	95.0	82.6	66.0	48.3	31.0	10.4	69.0	7056

RELATIVE HUMIDITY

76-85

030

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
DEC	00-02	100.0	100.0	99.9	97.7	86.1	64.0	42.5	28.9	9.6	68.4	930
	03-05	100.0	100.0	100.0	98.3	89.5	66.0	45.9	29.0	9.4	69.3	930
	06-08	100.0	100.0	100.0	97.5	90.0	70.0	47.5	29.8	9.7	70.1	930
	09-11	100.0	100.0	99.0	93.4	74.1	51.8	34.8	22.5	7.8	64.0	928
	12-14	100.0	99.9	97.1	80.0	53.1	36.1	23.5	15.2	5.7	56.7	930
	15-17	100.0	99.8	97.2	82.9	57.1	39.7	27.3	17.1	6.3	58.3	930
	18-20	100.0	100.0	99.5	93.1	75.4	53.3	35.7	22.2	7.7	64.3	930
	21-23	100.0	100.0	99.7	95.6	81.9	60.6	39.9	26.2	9.5	67.0	930
TOTALS		100.0	100.0	99.1	92.3	75.9	55.2	37.1	23.9	8.2	64.8	7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

724008 STATION DOVER AFB DE

76-86

ALL MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.3	92.9	75.3	53.4	34.7	21.1	7.6	64.1	7438
FEB		100.0	100.0	99.3	91.4	73.9	56.4	39.1	25.8	13.1	65.7	6768
MAR		100.0	99.9	97.0	86.3	70.4	53.0	36.7	22.3	8.5	63.1	7439
APR		100.0	99.9	95.6	84.1	68.8	53.6	38.7	22.4	8.9	63.0	7192
MAY		100.0	99.9	98.0	91.8	80.6	66.5	49.8	30.2	9.8	68.5	7438
JUN		100.0	100.0	99.4	93.8	82.6	65.9	45.4	24.2	5.1	67.3	7190
JUL		100.0	100.0	99.7	96.4	86.7	72.4	54.6	32.5	7.1	70.6	7439
AUG		100.0	100.0	100.0	98.8	91.0	78.6	61.7	39.9	10.2	73.9	7439
SEP		100.0	100.0	99.7	95.7	86.4	73.8	57.0	33.3	7.0	71.1	7198
OCT		100.0	100.0	99.5	94.6	84.7	71.4	50.8	28.9	8.1	69.5	7440
NOV		100.0	100.0	99.4	95.0	82.6	66.0	48.3	31.0	10.4	69.0	7056
DEC		100.0	100.0	99.1	92.3	75.9	55.2	37.1	23.9	8.2	64.8	7438
TOTALS		100.0	100.0	98.8	92.8	79.9	63.9	46.2	28.0	8.7	67.6	87475

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

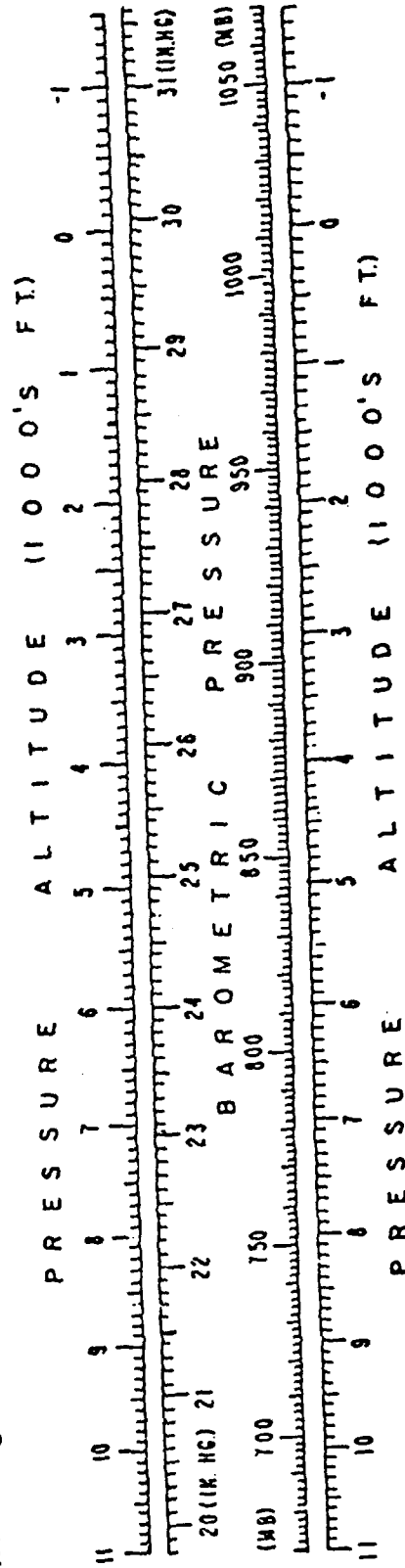
PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

724088 DOVER AFB DE

76-86

STATION

STATION NAME

YEARS

HRS. (LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN 29.986 S.D. .372 TOTAL OBS 310	29.986 .372 310	29.962 .268 310	29.926 .232 300	29.917 .173 310	29.920 .158 300	29.938 .134 310	29.981 .119 310	30.009 .161 300	30.038 .212 310	30.031 .240 300	30.030 .280 310	29.979 .224 3652
04	MEAN 29.986 S.D. .374 TOTAL OBS 310	29.986 .374 310	29.952 .271 310	29.918 .239 300	29.914 .176 310	29.916 .161 300	29.935 .135 310	29.975 .121 310	30.003 .167 300	30.033 .213 310	30.028 .242 300	30.035 .277 310	29.975 .227 3652
07	MEAN 30.002 S.D. .305 TOTAL OBS 310	30.002 .305 310	29.981 .274 310	29.948 .248 300	29.945 .176 310	29.943 .163 300	29.962 .135 310	30.002 .123 310	30.030 .176 300	30.056 .218 310	30.050 .242 300	30.053 .278 310	30.000 .229 3652
10	MEAN 30.028 S.D. .308 TOTAL OBS 310	30.028 .308 310	29.993 .285 309	29.952 .253 300	29.950 .177 310	29.946 .166 300	29.967 .137 309	30.012 .125 310	30.042 .172 300	30.068 .228 309	30.068 .242 300	30.081 .280 310	30.013 .234 3649
13	MEAN 29.968 S.D. .308 TOTAL OBS 309	29.968 .308 309	29.951 .283 310	29.918 .250 300	29.921 .176 310	29.922 .166 300	29.947 .137 310	29.988 .124 310	30.013 .165 300	30.026 .230 310	30.020 .237 300	30.025 .278 310	29.975 .231 3651
16	MEAN 29.959 S.D. .306 TOTAL OBS 310	29.959 .306 310	29.917 .273 310	29.886 .242 300	29.893 .172 310	29.896 .163 300	29.919 .137 310	29.959 .121 310	29.983 .161 300	30.008 .228 310	30.007 .232 300	30.016 .274 308	29.952 .227 3649
19	MEAN 29.988 S.D. .303 TOTAL OBS 310	29.988 .303 310	29.937 .268 310	29.899 .233 300	29.899 .168 310	29.901 .156 299	29.920 .135 310	29.966 .119 310	29.995 .157 300	30.031 .223 310	30.031 .227 300	30.039 .274 310	29.968 .225 3651
22	MEAN 29.995 S.D. .301 TOTAL OBS 310	29.995 .301 310	29.960 .266 310	29.926 .230 300	29.923 .169 310	29.929 .155 299	29.944 .134 310	29.991 .116 310	30.015 .158 300	30.050 .218 310	30.037 .231 300	30.043 .277 310	29.986 .223 3651
ALL HOURS	MEAN 29.989 S.D. .305 TOTAL OBS 2479	29.989 .305 2479	29.957 .273 2479	29.922 .241 2479	29.920 .174 2480	29.921 .162 2398	29.942 .136 2479	29.984 .122 2480	30.011 .165 2400	30.039 .222 2479	30.034 .237 2400	30.040 .278 2478	29.981 .228 29207

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

724088 DOVER AFB DE

76-86

HRS. (L.S.T.)	STATION NAME												ANNUAL
	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	
01	MEAN	1017.4	1018.4	1016.6	1015.4	1015.2	1015.8	1017.3	1018.2	1019.2	1019.0	1018.9	1017.2
	S.D.	10.231	9.108	9.081	7.865	5.380	4.572	4.059	5.432	7.169	8.110	9.514	7.601
	TOTAL OBS	310	282	310	300	300	310	310	300	310	300	310	3652
04	MEAN	1017.4	1018.2	1016.3	1015.1	1015.0	1015.7	1017.1	1018.0	1019.0	1018.9	1019.1	1017.1
	S.D.	10.266	9.212	9.136	8.287	5.443	4.575	4.136	5.647	7.218	8.194	9.392	7.673
	TOTAL OBS	310	282	310	300	300	310	310	299	310	300	310	3651
07	MEAN	1018.0	1019.0	1017.2	1016.1	1016.0	1016.6	1018.0	1018.9	1019.6	1019.6	1019.7	1017.9
	S.D.	10.287	9.317	9.337	8.406	5.557	4.562	4.187	5.938	7.369	8.202	9.406	7.753
	TOTAL OBS	310	282	310	300	300	310	310	300	310	300	310	3652
10	MEAN	1018.8	1019.6	1017.6	1016.3	1016.2	1016.8	1018.3	1019.3	1020.2	1020.2	1020.7	1018.3
	S.D.	10.454	9.556	9.635	8.583	5.633	4.634	4.258	5.821	7.716	8.206	9.499	7.926
	TOTAL OBS	310	282	309	300	300	309	310	300	309	300	310	3649
13	MEAN	1016.6	1018.2	1016.2	1015.1	1015.2	1016.2	1017.5	1018.3	1018.8	1018.6	1018.7	1017.1
	S.D.	10.429	9.491	9.589	8.475	5.969	4.671	4.196	5.563	7.790	8.022	9.397	7.816
	TOTAL OBS	309	282	310	300	310	310	310	300	310	300	310	3651
16	MEAN	1016.5	1017.4	1015.1	1014.0	1014.2	1015.2	1016.5	1017.3	1018.2	1018.1	1018.4	1016.3
	S.D.	10.360	9.296	9.230	8.212	5.869	4.666	4.133	5.434	7.698	7.856	9.292	7.739
	TOTAL OBS	310	281	310	300	310	310	310	300	310	300	308	3649
19	MEAN	1017.5	1018.3	1015.7	1014.5	1014.5	1015.2	1016.8	1017.7	1019.3	1018.9	1019.2	1016.9
	S.D.	10.265	9.115	9.077	7.914	5.716	4.574	4.032	5.306	7.558	7.675	9.276	7.621
	TOTAL OBS	310	282	310	300	310	299	310	300	310	300	310	3651
22	MEAN	1017.7	1018.7	1016.5	1015.4	1015.3	1016.0	1017.6	1018.4	1019.6	1019.2	1019.4	1017.4
	S.D.	10.209	9.025	9.002	7.798	5.747	4.504	3.953	5.327	7.387	7.811	9.391	7.543
	TOTAL OBS	310	282	310	300	310	299	310	300	310	300	310	3651
ALL HOURS	MEAN	1017.5	1018.5	1016.4	1015.2	1015.2	1015.9	1017.4	1018.3	1019.2	1019.1	1019.3	1017.3
	S.D.	10.319	9.272	9.281	8.191	5.914	4.622	4.152	5.586	7.503	8.023	9.405	7.728
	TOTAL OBS	2479	2255	2479	2400	2480	2398	2479	2399	2479	2400	2476	29206

